

SMALLRIG AD-14-5441

# SMALLRIG AD-14-5441 Carbon Fiber Video Tripod Instruction Manual

Comprehensive guide for setup, operation, and maintenance of your SMALLRIG AD-14-5441 Carbon Fiber Video Tripod.

## INTRODUCTION

The SMALLRIG AD-14-5441 Carbon Fiber Video Tripod is engineered for videographers requiring a balance of stability, portability, and robust performance. This manual provides essential information to ensure proper assembly, operation, and care of your equipment.

## KEY FEATURES

- **Carbon Fiber Construction:** Built with carbon fiber legs in a 2-2-1 layout, supporting up to 10kg (22lbs) while weighing only 2.7kg (6lbs), ideal for quick shooting and travel.
- **Professional Fluid Head:** Features an aluminum hydraulic head with infinite tilt drag control for smooth pans and tilts (+85° to -78° Tilt Range). Compatible with 501PL for Manfrotto plates, supporting side-loading for quick setups and one-touch quick release.
- **Horseshoe Head Design for Legs:** Legs feature a horseshoe-shaped ball head with a built-in anti-drop feature. The horseshoe state can be adjusted by rotating the thread, providing stable support on various terrains.
- **Compact & Portable:** Collapses to 87cm (34") for easy transport and includes a carrying case. Fits in overhead compartments.
- **Height Adjustable:** Extends from 84cm (33") to 185cm (73") with a 65mm bowl mount for leveling. Includes 2x 1/4"-20 mounts for accessories.

## WHAT'S IN THE BOX

- Tripod x 1
- Allen Wrench x 1
- Storage Bag x 1
- Phone Clamp x 1
- Guarantee Card x 1

## SETUP

## 1. Unfolding the Tripod:

Remove the tripod from its storage bag. Gently pull the legs outwards until they are fully extended. The horseshoe-shaped ball head at the base of the legs will help stabilize the setup.



*Image: The SMALLRIG AD-14-5441 tripod shown in its folded state with the carrying bag, and fully unfolded ready for use.*

## 2. Adjusting Leg Height:

Locate the leg locks on each leg. Release the locks and extend the leg sections to your desired height. Securely fasten the leg locks to ensure stability. The tripod can extend from a minimum height of 84cm (33") to a maximum height of 185cm (73").

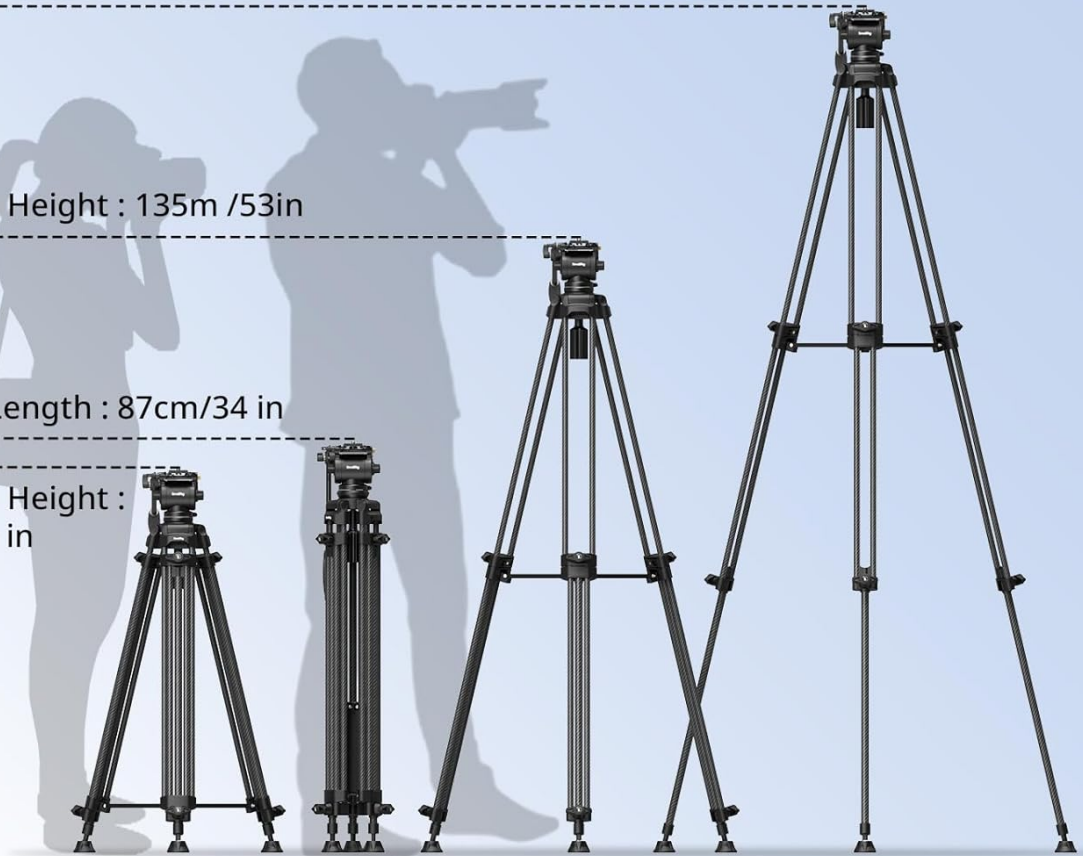
## ► Height Adjustable ◀

Max Height : 185cm/73in

2-Section Height : 135cm /53in

Storage Length : 87cm/34 in

1-Section Height :  
84cm /33 in



*Image: Visual representation of the tripod's adjustable height settings, from its lowest point of 84cm to its maximum extension of 185cm.*

### 3. Attaching the Fluid Head:

The tripod features a 65mm bowl mount for quick leveling. Ensure the fluid head is securely attached to the bowl mount. Use the integrated bubble level on the fluid head to achieve a perfectly horizontal setup.

### 4. Mounting Your Camera:

The fluid head is equipped with a quick release plate compatible with 501PL for Manfrotto plates. Attach the quick release plate to the bottom of your camera using the appropriate 1/4"-20 or 3/8"-16 screw. Slide the camera with the attached plate into the fluid head until it clicks securely into place. Use the quick release plate locking knob to further secure the camera.

## ► Smooth Panning & Tilting ◀

Compatible with MFT quick release plates, this head allows for fast camera through a newly designed snap-on quick-release plate mount



*Image: Close-up view of the fluid head's quick release plate, demonstrating the side-loading and locking mechanism for camera attachment.*

## OPERATING INSTRUCTIONS

### 1. Panning and Tilting:

The fluid head allows for 360° horizontal panning and a tilt range of +85° to -78°. Use the pan locking knob and tilt locking knob to control movement. The tilt damping adjustment knob provides infinite drag control for smooth, precise camera movements.



## ► Smooth Panning & Tilting ◀



Image: Diagram illustrating the 360° panning capability and the +85° to -78° tilt range of the fluid head, highlighting the tilt damping adjustment knob.

### 2. Leg Angle Adjustment:

The horseshoe head design allows for flexible leg angles. Adjust the leg angle by rotating the thread at the base of each leg. This feature is particularly useful for achieving stability on uneven surfaces or for low-angle shots.

## ► Stable & Quick Setup ◀

The upgraded locking system uses a knob, lock tighter than other tripod buckle that can easily come loose.



**2-Button Leg Locks**



**Switchable Feet  
(For Uneven Ground)**

*Image: Close-up of the tripod legs demonstrating the 2-button leg locks and the switchable feet, which can be adapted for various terrains including soft ground (spikes) or hard surfaces (rubber pads).*

### 3. Accessory Mounts:

The tripod includes 2x 1/4"-20 mounts for attaching accessories such as external monitors, microphones, or LED lights. These mounts are located on the tripod's spider for convenient placement.

## ► Expanded Capabilities ◀



*Image: Detailed view of the fluid head, labeling various controls such as the QR plate release button, lock gear for the pan handle, tilt locking knob, pan locking knob, and the 1/4"-20 and 3/8"-16 screws on the quick release plate.*

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the tripod after each use. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid harsh chemicals or abrasive materials.
- **Lubrication:** Periodically check the fluid head and leg locks for smooth operation. If any part feels stiff, apply a small amount of silicone-based lubricant as recommended by the manufacturer.
- **Storage:** Store the tripod in its provided carrying case in a cool, dry place away from direct sunlight and extreme temperatures. Ensure all locks are disengaged before storing to prevent unnecessary stress on components.
- **Inspection:** Regularly inspect all screws, bolts, and moving parts for any signs of wear or damage. Tighten any loose fasteners using the provided Allen wrench.

## TROUBLESHOOTING

- **Tripod Instability:** Ensure all leg locks are fully engaged and the legs are spread evenly. Verify that the horseshoe head is

adjusted correctly for the terrain.

- **Stiff Panning/Tilting:** Check if the pan and tilt locking knobs are fully disengaged. If movement remains stiff, a small amount of lubricant may be needed (refer to Maintenance section).
- **Camera Not Secure:** Confirm the quick release plate is properly attached to the camera and fully seated in the fluid head. Ensure the quick release plate locking knob is tightened.

SPECIFICATIONS

Feature	Detail
Model Name	AD-14-5441
Brand	SMALLRIG
Material	Aluminum, Carbon Fiber
Maximum Height	185 Centimeters (73 inches)
Minimum Height	84 Centimeters (33 inches)
Folded Height	87 Centimeters (34 inches)
Item Weight	2.7 kg (5.95 pounds)
Max Load Capacity	10 kg (22 lbs)
Tilt Range	+85° to -78°
Tripod Head Type	Fluid Head (Ball Heads)
Compatible Devices	Camera
Special Feature	Lightweight



# SmallRig Heavy-Duty Carbon Fiber Tripod AD-14

ID: 5441

Tripod × 1  
Allen Wrench × 1  
Storage Bag × 1  
Phone Clamp × 1



## Specifications

### Product Dimensions

184.0 × 165.0 × 868.0mm  
7.2 × 6.5 × 34.2in

### Product Weight

2.70 ± 0.05kg / 5.95 ± 0.11lb

### Working Height

84.0–185.0cm / 33.1–72.8in

### Package Dimensions

910.0 × 170.0 × 160.0mm  
35.8 × 6.7 × 6.3in

### Package Weight

3.83 ± 0.05kg / 8.44 ± 0.11lb







*Image: A graphic summarizing the key specifications and included items for the SMALLRIG AD-14-5441 Carbon Fiber Tripod.*

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the Guarantee Card included in your product package or visit the official SMALLRIG website. Keep your purchase receipt for warranty claims.

© 2025 SMALLRIG. All rights reserved.

**Related Documents - AD-14-5441**

<p>SmallRig</p>  <p>Heavy-Duty Fluid Head Tripod Kit AD-01S</p>	<p><a href="#">SmallRig AD-01S Heavy-Duty Fluid Head Tripod Kit: Operating Instructions &amp; Specifications</a></p> <p>Comprehensive operating instructions and specifications for the SmallRig AD-01S Heavy-Duty Fluid Head Tripod Kit (Model 4686), designed for professional video shooting. Features include adjustable legs, a step-less damping fluid head, quick-release plate compatibility, and robust aluminum alloy construction.</p>
<p>SmallRig</p>  <p>Lightweight Video Carbon Fiber Tripod Kit AD-50</p>	<p><a href="#">SmallRig Lightweight Video Carbon Fiber Tripod Kit AD-50: Operating Instructions &amp; Specifications</a></p> <p>Comprehensive operating instructions and specifications for the SmallRig AD-50 Lightweight Video Carbon Fiber Tripod Kit, designed for stable and mobile video shooting. Learn about its features, safety guidelines, and technical details.</p>
<p>SmallRig x POTATO JET</p>  <p>Trihex Hydraulic Carbon Fiber Tripod Kit</p>	<p><a href="#">SmallRig x Potato Jet TRIBEX Hydraulic Carbon Fiber Tripod Kit 4259 Operating Instructions</a></p> <p>Operating instructions and specifications for the SmallRig x Potato Jet TRIBEX Hydraulic Carbon Fiber Tripod Kit (Model 4259). This professional videography tripod features X-Clutch hydraulic technology, carbon fiber construction, adjustable height, and a fluid head with counterbalance.</p>
<p>SmallRig x POTATO JET</p>  <p>TRIBEX Carbon II Tripod Kit Operating Instructions</p>	<p><a href="#">SmallRig TRIBEX Carbon II Tripod Kit 5755: Professional Videography Gear</a></p> <p>Discover the SmallRig TRIBEX Carbon II Tripod Kit 5755, engineered for professional outdoor videography. This lightweight carbon fiber tripod features advanced X-Clutch hydraulic technology, a 4-step counterbalance fluid head, and quick-release compatibility for seamless shooting experiences.</p>
<p>SmallRig</p>  <p>Heavy-Duty Carbon Fiber Tripod Kit User Manual</p>	<p><a href="#">SmallRig 3989 Heavy-Duty Carbon Fiber Tripod Kit User Manual</a></p> <p>Comprehensive user manual for the SmallRig 3989 Heavy-Duty Carbon Fiber Tripod Kit. Learn about features, setup, usage, maintenance, and specifications for this versatile camera support system, compatible with Manfrotto and DJI RS quick-release plates.</p>
<p>SmallRig</p>  <p>Portable Carbon Fiber Travel Tripod Kit</p>	<p><a href="#">SmallRig 5028 Portable Carbon Fiber Travel Tripod Kit - Operating Instructions</a></p> <p>Detailed operating instructions for the SmallRig 5028 Portable Carbon Fiber Travel Tripod Kit, featuring a 5-section design, lightweight carbon fiber construction, and suitability for travel photography.</p>