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## Manfrotto MVK500XAM

# Manfrotto 500X Video Kit: Fluid Head and Aluminum Twin Leg Tripod Instruction Manual

Model: MVK500XAM

## INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Manfrotto 500X Video Kit. This kit includes the 500X Fluid Head and the Aluminum Twin Leg Tripod, designed for stable and smooth video capture with mirrorless cameras and other compatible equipment.



## 500X Fluid Head and Twin Leg Tripod Kit

### The Perfect Duo for Content Creators

This kit is the ultimate combination for content creators seeking precision, versatility, and ease of use.

Image: The Manfrotto 500X Fluid Head and Twin Leg Tripod Kit, highlighting its components.

Your browser does not support the video tag.

Video: Overview of the Manfrotto 500X Video Kit, demonstrating key features and assembly.

## KIT COMPONENTS

The Manfrotto 500X Video Kit includes the following components:

- Manfrotto 500X Fluid Head
- Aluminum Twin Leg Tripod

- 60mm Half Ball Adapter
- Padded Carrying Bag

## The kit features:



**Twin Leg  
Alu Tripod**



**500X  
Fluid Head**



**2.36 in Half  
Ball Adapter**



**Tripod Bag**



Image: Visual representation of the Manfrotto 500X Fluid Head, Twin Leg Tripod, 2.36 inch Half Ball Adapter, and Tripod Bag.

## SETUP

### 1. Tripod Deployment

Unfold the aluminum twin leg tripod. The telescopic twin-leg structure provides stability. Ensure the leg locking levers are securely fastened after adjusting the height. The fixed mid-level spreader enhances rigidity and speeds up setup.



Image: The Manfrotto Aluminum Twin Leg Tripod in its fully extended position.

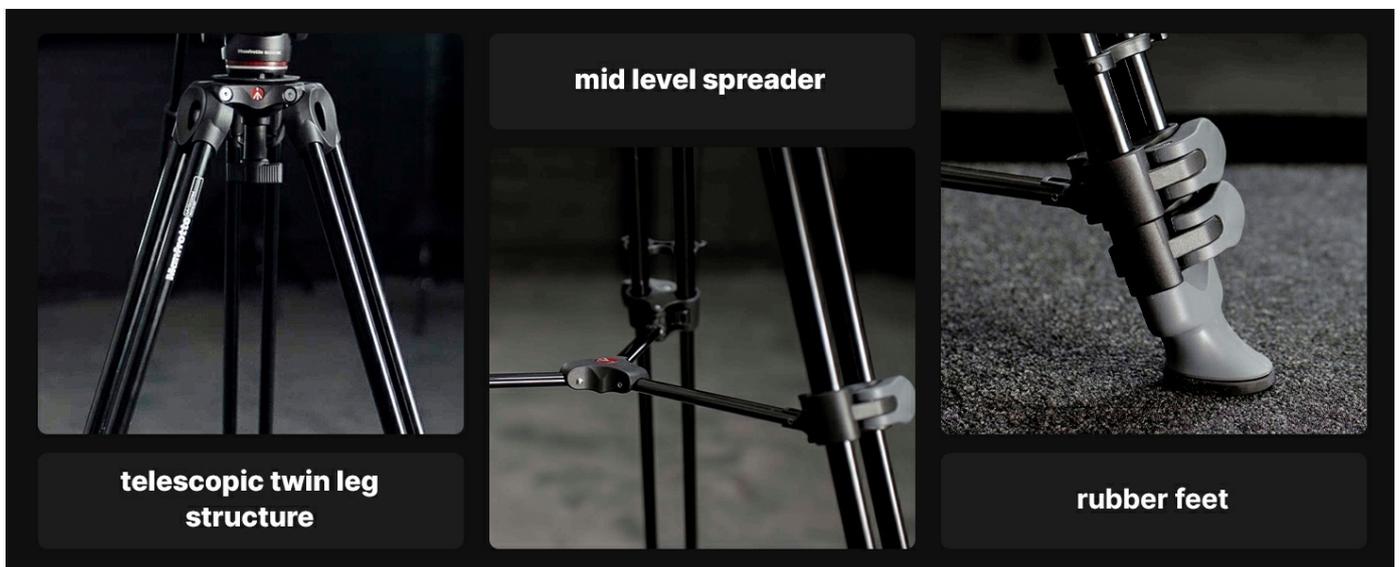


Image: Detailed view of the tripod's mid-level spreader, telescopic twin leg structure, and high-grip rubber feet.

## 2. Attaching the Fluid Head

The 500X Fluid Head features a flat base with a versatile 3/8 inch thread, making it compatible with various supports. It also includes a 60mm half ball adapter for precise leveling on uneven surfaces. Securely attach the fluid head to the tripod using the appropriate mounting mechanism.

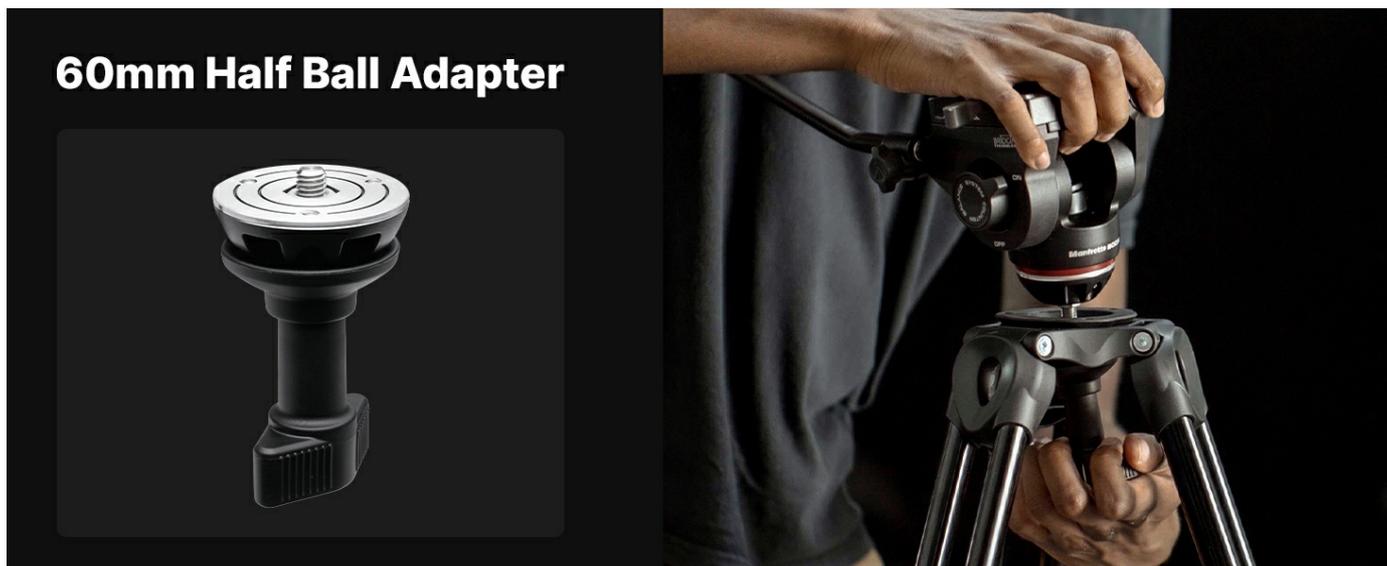


Image: The 60mm Half Ball Adapter, used for leveling the fluid head on the tripod.

## 3. Mounting Your Camera

The 500X Fluid Head utilizes a 501PL sliding plate for quick and secure camera attachment. The top-loading side-lock system allows for fast mounting and dismounting of your camera. Ensure the camera is firmly seated and locked into place.



Image: Close-up of the Manfrotto 500X Fluid Head, showing the 501PL sliding plate and the 90-degree rotation mechanism.

## OPERATING INSTRUCTIONS

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### 1. Fluid Drag System (FDS)

The Fluid Drag System provides precise and controlled pan and tilt movements. Adjust the drag controls for your desired level of resistance, ensuring smooth, shake-free footage. The head offers a  $-70^{\circ}$  to  $+90^{\circ}$  tilt range and full  $360^{\circ}$  pan rotation.



## Fluid and smooth movements

Fluid Drag System delivers precise, controlled pan and tilt operation with a  $-70^{\circ}$  to  $+90^{\circ}$  tilt range and full  $360^{\circ}$  pan.



Image: Diagram illustrating the  $-70^{\circ}$  to  $+90^{\circ}$  tilt range and  $360^{\circ}$  pan capabilities of the fluid head.



Image: Close-up of the fluid head showing the fluid tilt axis, tilt brake, fluid pan axis, pan brake, and levelling bubble.

## 2. Counterbalance System (CBS)

The counterbalance system (0-2.4 kg / 0-5.3 lbs) assists in balancing your camera setup, preventing accidental tilting and ensuring consistent, controlled movements. Engage or disengage the counterbalance as needed for your specific camera weight and lens configuration.



Image: Diagram showing the counterbalance system in both OFF and ON positions, with weight capacity details.

## 3. Vertical and Horizontal Shooting

The hinged plate design allows for quick switching between vertical and horizontal shooting orientations. This flexibility is ideal for various cinematic video requirements.

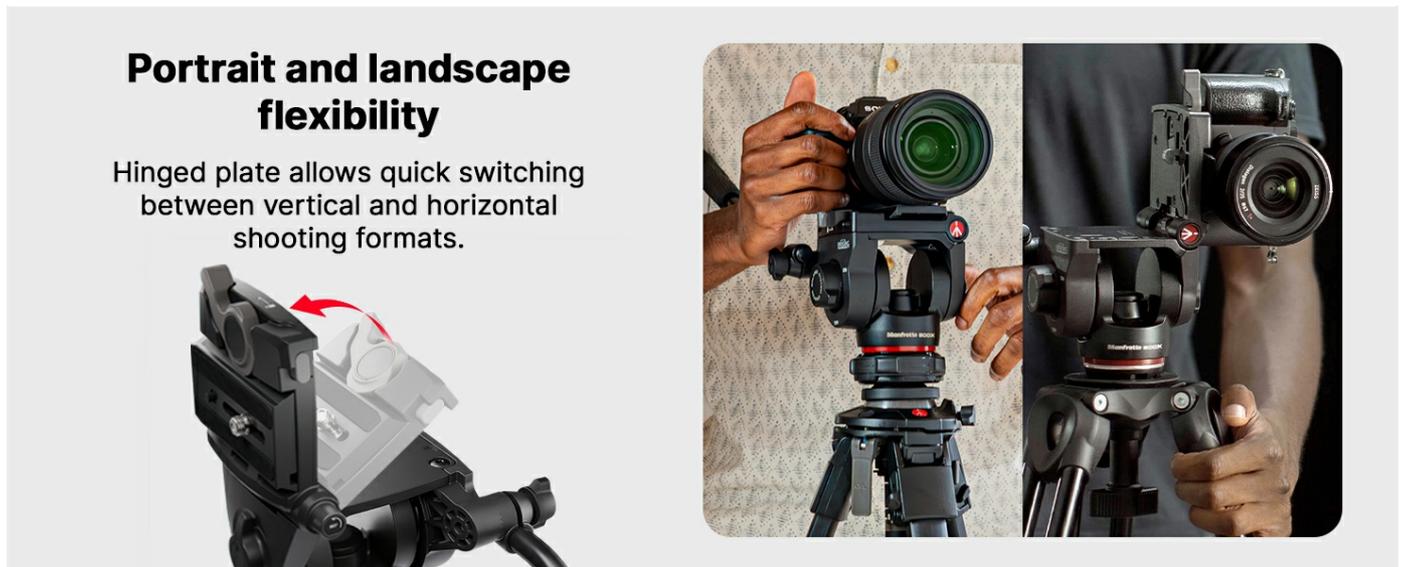


Image: Demonstration of the hinged plate allowing quick transitions between vertical and horizontal camera orientations.

## MAINTENANCE

To ensure the longevity and optimal performance of your Manfrotto 500X Video Kit, follow these maintenance guidelines:

- **Cleaning:** Wipe down the tripod legs and fluid head with a soft, dry cloth after each use to remove dust and debris. For stubborn dirt, use a slightly damp cloth and mild soap, then dry thoroughly.
- **Lubrication:** The fluid head's internal mechanisms are factory-lubricated. Do not attempt to lubricate them yourself, as this may damage the fluid system.
- **Storage:** Store the kit in its padded carrying bag in a cool, dry place, away from extreme temperatures and humidity.
- **Inspection:** Periodically check all screws, levers, and connections for tightness. Do not overtighten.

## TROUBLESHOOTING

If you encounter issues with your Manfrotto 500X Video Kit, consider the following common solutions:

- **Unstable Setup:** Ensure all leg sections are fully extended and their locking levers are securely closed. Verify that the fluid head is tightly mounted to the tripod and the camera plate is properly locked.
- **Jerky Pan/Tilt Movements:** Check the fluid drag settings. If movements are too stiff, reduce the drag. If too loose, increase the drag. Ensure the counterbalance system is appropriately engaged for your camera's weight.
- **Camera Not Level:** Use the integrated levelling bubble on the fluid head to ensure the head is perfectly level before beginning to shoot. Adjust the tripod legs or the 60mm half ball adapter as needed.
- **Difficulty Attaching/Detaching Camera:** Ensure the quick release plate mechanism is fully open before attempting to insert or remove the camera plate. Do not force the plate.

For further assistance, please contact Manfrotto customer support.

## SPECIFICATIONS

Feature	Specification
Model Name	Manfrotto 500X Video Tripod
Item Model Number	MVK500XAM
Brand	Manfrotto
Product Dimensions	33 x 7.75 x 7.25 inches
Item Weight	9.68 pounds (4.39 kg)
Material	Aluminum
Color	Black
Compatible Devices	Camera
Special Feature	Portable, Compact
Fluid Head Safety Payload	11.02 lbs (5 kg)
Fluid Head Plate Type	501 sliding plate
Fluid Head Flat Base Diameter	2.36 inches (XCHANGE ready)
Fluid Head Counterbalance System (CBS)	0-5.3 lbs (0-2.4 kg) @ 2.16 in C.O.G.
Fluid Head Tilt Range	-70° to +90°
Fluid Head Pan Rotation	360°
UPC	719821499701



## 500X Fluid Head

Safety Payload: **11.02 lbs**

Plate type: **501 sliding plate**

Flat base diameter: **2.36 in flat base XCHANGE ready**

FDS: **FIXED**

CBS: **0-5.3 lbs @2.16 in C.O.G.**

Portrait/Landscape: **yes**

Image: Detailed specifications for the Manfrotto 500X Fluid Head.

## WARRANTY AND SUPPORT

Manfrotto products are designed for reliability and performance. This product may be covered by a warranty of up to 10 years, ensuring

highest safety standards and quality materials.

**Manfrotto** Standard of Excellence

The graphic features three circular icons on a black background. The first icon is a white circle with 'WARRANTY - WARRANTY - WARRANTY' around the perimeter and '10y' in the center. The second icon is a white circle with 'SAFETY' at the top, 'PAYLOAD' at the bottom, a green checkmark, and 'UNI/PdR 105:2021' in the center. The third icon is a white stylized logo consisting of a circle with a vertical line and two diagonal lines meeting at the bottom, resembling a tripod or a person.

Up to 10 years

Highest safety standards ensured

Made in Italy with best in class materials

Image: Manfrotto's commitment to excellence, including up to 10 years warranty and high safety standards.

For specific warranty details, product registration, or technical support, please visit the official Manfrotto website or contact their customer service department.

