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Manfrotto MVK502055CXPROV

Manfrotto 055 Video Tripod System User Manual

Model: MVK502055CXPROV

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Manfrotto 055 Video Tripod System with 502 Video Fluid Head. Designed for professional videographers and photographers, this system offers stability, smooth movements, and versatile camera support for DSLR/Mirrorless cameras and camcorders.
Please read this manual carefully before using the product to ensure proper handling and to maximize its lifespan.

2. Product Overview

The Manfrotto 055 Video Tripod System combines the robust 055 carbon fiber tripod with the precise 502 Video Fluid Head, offering a complete solution for stable and fluid video capture.

2.1 Key Features

- **Fluid and Smooth Movements:** Variable continuous Fluid Drag System for seamless pan and tilt.
- **Greater Versatility:** 502 flat base head compatible with various video accessories like sliders.
- **Accurate Composition:** Integrated levelling column for quick and precise camera adjustments.
- **Quick Setup:** Quick Power Lock (QPL) levers for effortless leg extension and maximum stability.
- **Accessory Integration:** Easy Link connector for attaching additional gear.
- **Carbon Fibre Construction:** Strong and lightweight design for enhanced portability.

2.2 Components



Figure 1: Key Components of the Manfrotto 055 Video Tripod System.

This diagram highlights the main parts of the tripod system. It shows the 502 Flat Base Fluid Video Head at the top, the Easy Link Connector for accessories, the carbon fiber leg construction, the Lever Lock mechanism for leg adjustments, the Removable Pan Bar for head control, and a hook at the bottom of the center column for adding counterweight.

- **502 Fluid Video Head:** Provides smooth pan and tilt movements.
- **055 Carbon Fibre Tripod Legs:** Lightweight and rigid support.
- **Levelling Column:** Integrated column for quick leveling adjustments.
- **Quick Power Lock (QPL) Levers:** For fast and secure leg section locking.
- **Easy Link Connector:** 3/8" threaded connector for attaching external accessories.
- **Pan Bar:** Ergonomic handle for controlling head movements.

3. Setup

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage during transit. Ensure all listed components

are present.

3.2 Attaching the Video Head to the Tripod

The 502 Video Fluid Head is typically pre-attached to the 055 tripod. If not, align the head's base with the tripod's mounting plate and screw it securely into place using the locking knob on the tripod's spider.

3.3 Extending the Tripod Legs

1. Release the Quick Power Lock (QPL) levers on each leg section.
2. Extend the leg sections to the desired height.
3. Securely close the QPL levers to lock the legs in position. Ensure all levers are fully closed before mounting equipment.



Figure 2: Quick Power Lock (QPL) Lever for Leg Extension.

The QPL levers allow for rapid and secure adjustment of the tripod leg sections. Simply flip the lever to unlock, extend the leg, and flip it back to lock firmly in place.

3.4 Adjusting Leg Angles

The 055 tripod features an Ergonomic Side-Pull Selector for adjusting leg angles. Pull the selector outwards and move the leg to one of the available angle positions (e.g., 25°, 66°, 88°). Release the selector to lock the leg in the chosen angle.



Figure 3: Leg Angle Adjustment.

This image illustrates the three distinct leg angle positions available on the 055 tripod, allowing for versatile setup on uneven terrain or for low-angle shots.

3.5 Using the Levelling Column

The integrated levelling column allows for quick and precise leveling of the video head without adjusting the tripod legs. Loosen the collar at the base of the column, adjust the head until the bubble level indicates a level position, and then tighten the collar to secure.



Figure 4: Levelling Column Adjustment.

The levelling column provides a convenient way to achieve a perfectly level camera platform, crucial for smooth panning and tilting, without needing to individually adjust each tripod leg.

4. Operating Instructions

4.1 Mounting Your Camera

1. Ensure the quick release plate is detached from the 502 Fluid Head.
2. Attach the quick release plate securely to the base of your camera or camcorder.
3. Slide the quick release plate with the camera into the receiver on the 502 Fluid Head until it clicks into place. Engage the safety lock if available.

4.2 Adjusting Fluid Drag (Pan & Tilt)

The 502 Fluid Head features a variable continuous Fluid Drag System for both pan and tilt movements. Rotate the respective drag knobs (Pan Drag Control and Tilt Drag Control) to increase or decrease resistance, allowing for precise and smooth camera movements tailored to your shooting style.



Figure 5: Pan and Tilt Drag Controls.

This image illustrates the controls for adjusting the fluid drag on both the pan and tilt axes of the 502 Fluid Head, enabling smooth and controlled camera movements. It also highlights the 10 kg (22 lbs) payload capacity and the Counter-balance System (CBS).

4.3 Locking Pan and Tilt Movements

To lock the head in a specific position, tighten the Pan Locking Knob and Tilt Locking Knob. Ensure these are fully tightened when not actively moving the camera to prevent accidental shifts.

4.4 Using the Easy Link Connector

The Easy Link connector (3/8" threaded) on the tripod spider allows you to attach various accessories such as monitors, LED lights, or audio recorders directly to the tripod, streamlining your setup.



Figure 6: Easy Link Connector in Use.

This image demonstrates the Easy Link connector, a convenient feature for mounting additional photographic or videographic accessories directly onto the tripod, enhancing workflow efficiency.

Official Product Video:

Your browser does not support the video tag.

Video 1: Manfrotto 055 Video Tripod w/502 Video Fluid Head Overview. This video provides a visual overview of the Manfrotto 055 Video Tripod System, highlighting its key features and components, including the 502 Fluid Video Head, carbon fiber legs, levelling column, and Easy Link connector.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Manfrotto tripod system.

5.1 Cleaning

- Wipe down the tripod and head with a soft, damp cloth after each use, especially if used in dusty, sandy, or wet environments.
- Do not use harsh chemicals or abrasive cleaners.
- For the fluid head, ensure no sand or debris enters the moving parts. Use a soft brush to remove any particles.

5.2 Storage

- Store the tripod in a dry, cool place, away from direct sunlight and extreme temperatures.
- When storing for extended periods, ensure all locks are disengaged to relieve tension on the mechanisms.

5.3 Lubrication

The fluid head is factory-lubricated and generally does not require user lubrication. If movements become stiff or noisy, contact Manfrotto customer support for professional servicing.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Head movements are stiff or jerky.	Drag settings too high; debris in mechanism; insufficient lubrication.	Reduce fluid drag settings. Clean head thoroughly. If problem persists, contact support.
Tripod legs slip or collapse.	QPL levers not fully engaged; worn leg locks.	Ensure all QPL levers are securely closed. Inspect levers for damage.
Camera not securely mounted.	Quick release plate not fully inserted or locked; plate not tightened to camera.	Ensure quick release plate is firmly attached to camera. Re-insert plate into head until it clicks and engage safety lock.
Levelling column does not hold position.	Levelling column collar not tightened.	Tighten the levelling column collar firmly after adjustment.

7. Specifications

Feature	Detail
Model Number	MVK502055CXPROV
Brand	Manfrotto
Head Type	502 Video Fluid Head (Flat Base)
Tripod Material	Carbon Fibre
Maximum Weight Recommendation	22 Pounds (10 kg)
Pan Range	360°
Tilt Range	-80° to +90°
Item Weight	6.29 pounds (2.85 kg)
Closed Length	27.55 inches (70 cm)
Maximum Height	70.47 inches (179 cm)
Minimum Height	21.25 inches (54 cm)
Compatible Devices	DSLR, Mirrorless Cameras, Camcorders
UPC	719821494959
Country of Origin	Italy

8. Warranty and Support

8.1 Warranty Information

Manfrotto products are designed and manufactured to high quality standards. This product comes with a standard warranty. For detailed warranty terms and conditions, please refer to the official Manfrotto website or the warranty card included with your product. Manfrotto offers up to 10 years of extended warranty upon product registration.

8.2 Customer Support

For technical assistance, spare parts, or service, please contact Manfrotto customer support. You can find contact information on the official Manfrotto website: www.manfrotto.com.
When contacting support, please have your product model number (MVK502055CXPROV) and serial number (if applicable) ready.

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