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Manfrotto MVK608TWINFCUS

Manfrotto Nitrotech 608 Fluid Video Head and Carbon 645 Fast Twin Video Tripod Instruction Manual

Model: MVK608TWINFCUS

1. Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Manfrotto Nitrotech 608 Fluid Video Head and Carbon 645 Fast Twin Video Tripod. This professional kit is designed for videographers using DSLR, digital cameras, and camcorders, offering robust support and precise control for dynamic shooting environments.



The Manfrotto Nitrotech 608 Fluid Video Head and Carbon 645 Fast Twin Video Tripod kit, shown with its dedicated carrying bag.

Key Features:

- **UNI Safety Payload:** Enhanced safety measures for your equipment.
- **Continuous Counterbalance:** Adjustable counterbalance from 0 to 14 kg for precise camera balance.
- **Fast Lever Lock:** Enables rapid and secure adjustment of tripod leg sections.
- **Ultimate Versatility:** Supports various video head diameters (100mm half ball and 75mm half ball adapter).
- **Removable Rubber Feet:** Ensures maximum stability on diverse surfaces.

2. Setup Instructions

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all parts are present and undamaged. The kit includes the Nitrotech 608 Fluid Video Head, Carbon 645 Fast Twin Video Tripod, and a carrying bag.



The Carbon 645 Fast Twin Video Tripod in its compact, folded state, ready for transport or storage.

2.2 Attaching the Video Head to the Tripod

1. Ensure the tripod legs are securely locked in their folded position for stability during attachment.
2. Align the base of the Nitrotech 608 Fluid Video Head with the mounting plate on the Carbon 645 Fast Twin Video Tripod.
3. Secure the video head by tightening the locking mechanism on the tripod base. Refer to the specific locking mechanism on your tripod for correct engagement.

A close-up view of the Nitrotech 608 Fluid Video Head being securely mounted onto the tripod base.

2.3 Deploying the Tripod Legs and Spreader

1. Release the leg locks and extend the tripod legs to the desired height.
2. Engage the Fast Lever Locks on each leg section to secure them in place.
3. For enhanced stability, especially on uneven surfaces, deploy the ground spreader. Position it between the tripod legs and lock it into place.



The ground spreader accessory, designed to enhance tripod stability on various surfaces.

2.4 Mounting Your Camera

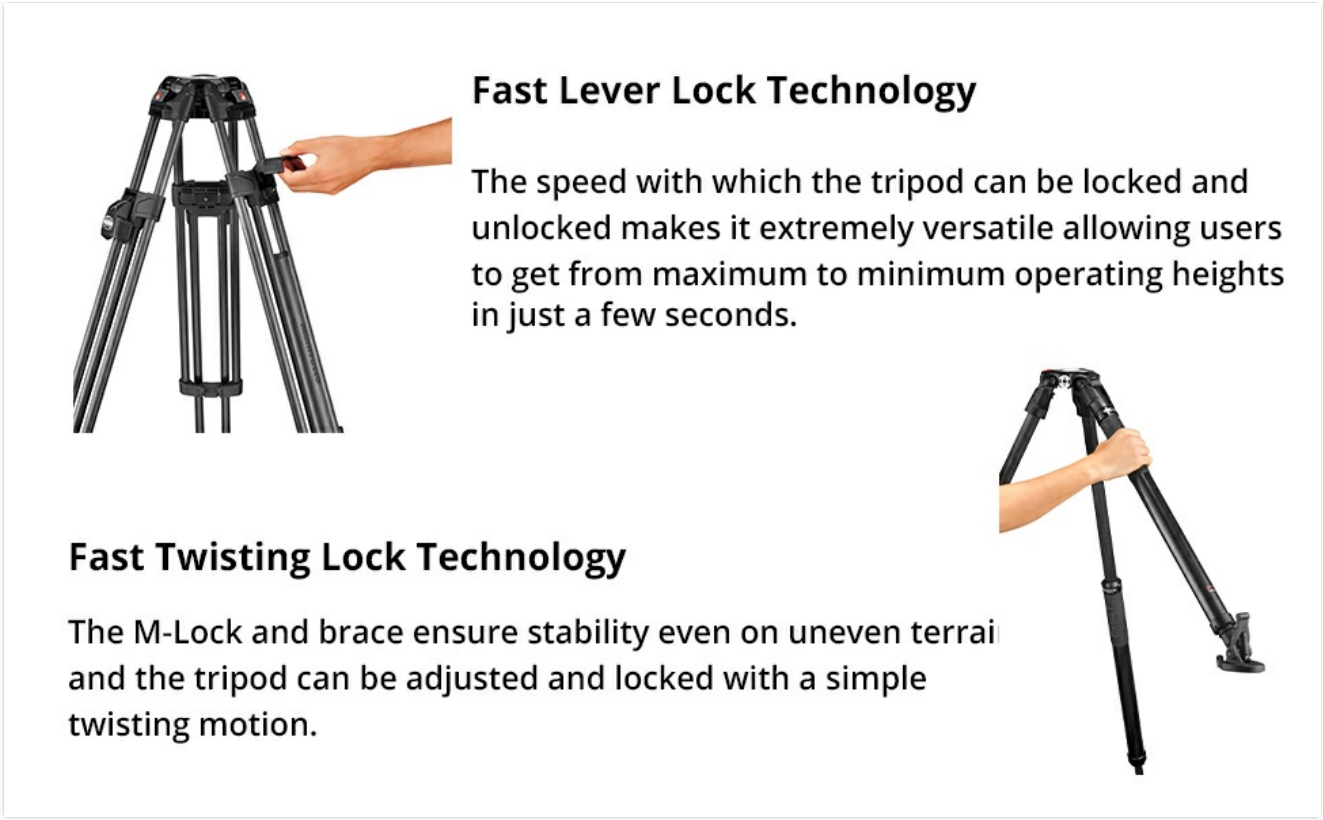
1. Attach the quick release plate (if not already attached) to the bottom of your camera. Ensure it is securely fastened.
2. Slide the quick release plate with your camera into the receiver on the Nitrotech 608 Fluid Video Head until it clicks into place.
3. Engage any secondary safety locks on the video head to prevent accidental camera release.

3. Operating Instructions

3.1 Adjusting Tripod Height and Leg Angles

The Carbon 645 Fast Twin Video Tripod features both Fast Lever Lock and Fast Twisting Lock technologies for quick and secure adjustments.

- **Fast Lever Lock:** To adjust leg height, flip open the lever locks on each leg section, extend or retract the leg to the desired length, and then firmly close the levers to secure.
- **Fast Twisting Lock:** For fine-tuning leg angles or adjusting on uneven terrain, twist the locking collars on the leg sections. This allows for quick and precise positioning.



This image illustrates the Fast Lever Lock technology for quick leg extension and the Fast Twisting Lock technology for secure leg adjustment on uneven terrain.



A detailed view of the tripod leg lock mechanism, highlighting its robust design for secure height adjustments.

3.2 Adjusting the Nitrotech 608 Fluid Video Head

- **Continuous Counterbalance:** Use the counterbalance knob to adjust the weight compensation for your camera setup. Rotate the knob until the camera is perfectly balanced, preventing unwanted tilting. The system supports payloads from 0 to 14 kg.
- **Pan and Tilt Drag:** The fluid drag system allows for smooth and precise pan and tilt movements. Adjust the dedicated knobs to achieve your desired level of resistance for cinematic shots.

- **Pan Bar:** Attach the pan bar to the video head for ergonomic control during panning and tilting operations.

3.3 Adapting to Different Surfaces

The tripod's rubber feet can be quickly removed to reveal spiked feet, providing maximum stability on soft ground, ice, or other challenging surfaces. Reattach the rubber feet for use on hard or delicate floors.

4. Maintenance

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

- **Cleaning:** Wipe down the tripod and video head with a soft, dry cloth after each use. For stubborn dirt, use a slightly damp cloth and mild soap, then dry thoroughly. Avoid abrasive cleaners or solvents.
- **Lubrication:** The fluid head is factory-sealed and does not require user lubrication. Do not attempt to disassemble the fluid head.
- **Storage:** Store the tripod in its 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.

5. Troubleshooting

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

- **Instability:** Ensure all leg sections are fully extended and their Fast Lever Locks are securely closed. Verify that the ground spreader is properly engaged. Check that the video head is firmly attached to the tripod.
- **Stiff Movement (Pan/Tilt):** Check the pan and tilt drag knobs. If they are tightened too much, loosen them gradually until the desired fluidity is achieved. Ensure no debris is obstructing movement.
- **Camera Not Balancing:** Adjust the continuous counterbalance knob on the Nitrotech 608 Fluid Video Head. Ensure your camera's weight is within the 0-14 kg payload range.
- **Legs Not Extending/Retracting Smoothly:** Inspect leg sections for dirt or obstructions. Clean as per maintenance instructions. Ensure lever locks are fully disengaged before attempting to adjust.

For persistent issues, please contact Manfrotto customer support.

6. Specifications

Feature	Specification
Brand	Manfrotto
Model Number	MVK608TWINFCUS
Item Weight	18.01 pounds
Weight Limit	14 Kilograms
Maximum Height	173 Centimeters
Minimum Height	43.5 Centimeters

Feature	Specification
Material	Carbon Fiber, Rubber
Tripod Head Type	Video Heads
Compatible Devices	Camcorder, Camera
Color	black

7. Warranty and Support

Manfrotto products are manufactured to high-quality standards and are covered by a manufacturer's warranty. For specific warranty terms, registration, or to access customer support, please visit the official Manfrotto website or contact their authorized service centers.

Keep your proof of purchase for any warranty claims.

Online Support: www.manfrotto.com/us-en/support/

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