

Manfrotto 460MG

Manfrotto 460MG Magnesium Camera Head Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the Manfrotto 460MG Magnesium Camera Head. Designed for photographers seeking precise control and lightweight portability, the 460MG offers advanced positioning capabilities for 35mm SLRs and medium format cameras. Please read this manual thoroughly before use to ensure proper operation and to maximize the lifespan of your equipment.

Key Features:

- **Lightweight Magnesium Construction:** Ensures durability without adding excessive weight.
- **Integrated Quick Release System:** Facilitates rapid camera attachment and detachment.
- **Multi-Axis Positional Control:** Allows for precise adjustments across multiple planes.
- **Ergonomic Rubber Grip Knobs:** Provides comfortable and secure handling for fine adjustments.

PACKAGE CONTENTS

Verify that all items listed below are present in your product packaging:

- Manfrotto 460MG Magnesium Camera Head
- QR Plate 3157N (Quick Release Plate)

SAFETY INFORMATION

Always handle your camera equipment with care. Ensure all locking mechanisms are securely tightened before leaving your camera unattended on the head. Avoid exposing the head to extreme temperatures or harsh chemicals. Do not attempt to disassemble the head beyond routine maintenance as this may void the warranty and cause damage.

SETUP

1. Attaching the Camera Head to a Tripod

1. Locate the mounting screw on your tripod's center column or lateral arm.
2. Align the base of the Manfrotto 460MG head with the tripod's mounting screw.

3. Rotate the head clockwise onto the tripod screw until it is firmly secured. Ensure there is no wobble.



Figure 1: Front view of the Manfrotto 460MG Magnesium Camera Head, showing its compact design and control knobs.
This image illustrates the general appearance of the head when mounted on a tripod.

2. Attaching the Camera to the Quick Release Plate (3157N)

1. Locate the 3157N Quick Release Plate.
2. Attach the quick release plate to the base of your camera using the integrated screw. Ensure the screw is tightened securely with a coin or appropriate tool.
3. Verify the plate is oriented correctly and does not obstruct any camera controls or battery compartments.

3. Mounting the Camera onto the Head

1. Ensure the quick release lever on the 460MG head is in the open position.
2. Slide the camera, with the attached quick release plate, into the receiver on the camera head.
3. Push the quick release lever to the closed position until it locks securely. A distinct click indicates proper engagement.
4. Gently test the camera's stability to confirm it is firmly attached before use.

OPERATING INSTRUCTIONS

The Manfrotto 460MG features three independent axes of movement, each controlled by a dedicated rubber grip knob. This allows for precise adjustments in pan, front-to-back tilt, and side-to-side tilt.



Figure 2: Side view of the Manfrotto 460MG head, demonstrating its ability to tilt vertically. This image highlights the range of motion for vertical adjustments.

1. Panning Adjustment (Horizontal Rotation)

The panning knob controls the horizontal rotation of the camera head. Loosen this knob to rotate the camera 360 degrees horizontally. Tighten the knob to lock the camera in the desired horizontal position.

2. Front-to-Back Tilt Adjustment

The front-to-back tilt knob allows you to adjust the camera's vertical angle. Loosen this knob to tilt the camera up or down. Tighten the knob to secure the camera at the desired vertical angle.

3. Side-to-Side Tilt Adjustment

The side-to-side tilt knob enables adjustment of the camera's lateral tilt. Loosen this knob to tilt the camera left or right. Tighten the knob to lock the camera in the desired lateral position.

Note: Always support your camera when loosening any adjustment knob to prevent sudden movement and potential damage.

MAINTENANCE

Cleaning

To maintain the performance and appearance of your Manfrotto 460MG camera head:

- Wipe the exterior surfaces with a soft, dry cloth.
- For stubborn dirt, use a slightly damp cloth with mild soap, then wipe dry immediately.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.
- Keep the quick release mechanism free of dust and debris to ensure smooth operation.

Storage

When not in use, store the camera head in a clean, dry environment, away from direct sunlight and extreme temperatures. It is recommended to store it in a protective bag or case to prevent scratches and impacts.

TROUBLESHOOTING

Issue: Camera head feels loose or wobbly on the tripod.

Solution: Ensure the camera head is securely tightened onto the tripod's mounting screw. If the issue persists, check the tripod's mounting plate for any damage or wear.

Issue: Camera is not securely locking onto the quick release plate.

Solution:

- Verify that the 3157N Quick Release Plate is correctly attached to the camera and the screw is fully tightened.
- Ensure the quick release lever on the head is fully engaged and locked.
- Inspect the quick release plate and the receiver on the head for any obstructions or damage.

Issue: Adjustment knobs are stiff or difficult to turn.

Solution: The mechanisms may require cleaning. Refer to the "Cleaning" section. If the stiffness persists, contact customer support; do not force the knobs as this may cause internal damage.

SPECIFICATIONS

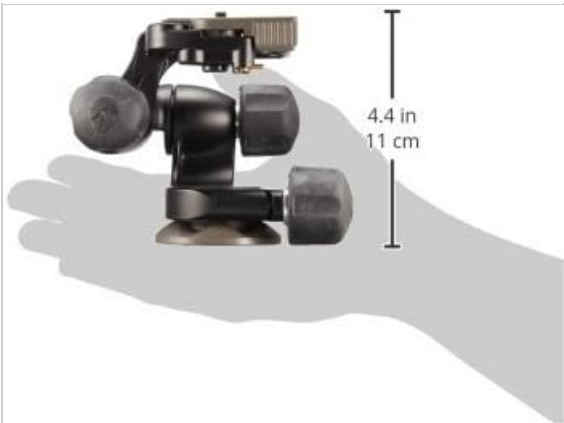


Figure 3: The Manfrotto 460MG head shown in hand, illustrating its compact size and approximate dimensions (4.4 inches / 11 cm height). This provides a visual reference for its portability.

| Feature | Detail |
|--------------------|--------------------------------|
| Model Number | 460MG |
| Brand | Manfrotto |
| Material | Magnesium |
| Product Dimensions | 6 x 6 x 6 inches (approximate) |
| Item Weight | 15.2 ounces (430 Grams) |
| Color | Black |
| Compatible Devices | Camera |
| Included Accessory | QR Plate 3157N |

WARRANTY INFORMATION




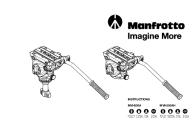


Manfrotto products are manufactured to high-quality standards and are covered by a limited warranty. For specific warranty terms, conditions, and registration details, please refer to the official Manfrotto website or contact their customer support. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

Should you require further assistance, technical support, or have questions not covered in this manual, please visit the official Manfrotto website for contact information, FAQs, and additional resources. You can typically find support details under the "Support" or "Contact Us" sections of their website.

© 2023 Manfrotto. All rights reserved. Manfrotto and the Manfrotto logo are registered trademarks.

Related Documents - 460MG

| | |
|---|---|
|  | <p>Manfrotto Befree Advanced MKBFRLA4FB-BH Tripod Instructions</p> <p>This document provides comprehensive instructions for setting up, using, and maintaining the Manfrotto Befree Advanced MKBFRLA4FB-BH tripod. Designed for advanced travel photographers, it offers portability and stability for mirrorless and medium format DSLR cameras.</p> |
|  | <p>Manfrotto MHXPRO-3W XPRO Geared Tripod Head Instructions</p> <p>Detailed instructions and setup guide for the Manfrotto MHXPRO-3W XPRO Geared Three-way Pan/tilt Tripod Head, covering assembly, usage, and storage.</p> |
|  | <p>Manfrotto MT290DUA3 Tripod: Setup, Operation, and Maintenance Guide</p> <p>A comprehensive guide to setting up, adjusting, and maintaining the Manfrotto MT290DUA3 tripod. Learn how to extend legs, adjust angles, operate the center column (vertical and horizontal), mount camera heads, and perform basic maintenance.</p> |
|  | <p>Manfrotto MVH500A & MVH500AH Fluid Head - Instructions and Specifications</p> <p>Comprehensive instructions and specifications for the Manfrotto MVH500A and MVH500AH lightweight fluid heads. Learn about setup, camera mounting, balancing, usage, and accessory attachment for these professional camera support systems.</p> |
|  | <p>Manfrotto Befree GT Series Tripod - Setup, Features, and Maintenance Guide</p> <p>Comprehensive guide for the Manfrotto Befree GT series tripod (MTBFRTA4GTFB, MTBFRTC4GTFB). Learn how to set up, adjust leg angles, invert the center column, attach accessories, fold, transport, and maintain your tripod for optimal performance.</p> |
|  | <p>Manfrotto MVH500XAH Fluid Head: Instructions, Specifications, and Safety</p> <p>Comprehensive instructions and specifications for the Manfrotto MVH500XAH fluid head. This guide covers setup, operation, balancing, safety precautions, maintenance, and warranty information for professional photography and videography.</p> |

