

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Manfrotto](#) /

› [Manfrotto Studio Geared Head 400 Instruction Manual](#)

## Manfrotto 400

# Manfrotto Studio Geared Head 400 Instruction Manual

Model: 400

## INTRODUCTION

---

The Manfrotto Studio Geared Head 400 is engineered for precise camera positioning, offering geared movement across three axes. It is designed for use with studio column stands or larger tripods, providing fine adjustment and control for accurate framing with medium and large format cameras.

## PRODUCT OVERVIEW

---



*Figure 1: The Manfrotto Studio Geared Head 400. This image displays the geared head from an angled perspective, highlighting the quick release plate with its 1/4" screw, the pan and tilt adjustment handles, and the side-to-side leveling handle. A small bubble level is visible near the quick release plate.*

The Manfrotto 400 features fold-away rotating handles for pan and tilt adjustments, and a separate handle for side-to-side leveling. It includes a quick release system with a round plate, designed for secure and efficient camera attachment. Three 1/4" screws are provided for camera mounting.

## SETUP

### 1. Mounting the Geared Head to a Tripod or Stand

1. Ensure your tripod or studio stand is stable and capable of supporting the combined weight of the geared head and your camera equipment.
2. Locate the mounting screw on your tripod or stand.
3. Align the base of the Manfrotto 400 geared head with the mounting screw.
4. Securely tighten the geared head onto the tripod or stand until it is firmly attached and does not wobble.

### 2. Attaching a Camera to the Quick Release Plate

1. Identify the round quick release plate on the top of the geared head.

2. Loosen the quick release plate locking mechanism to remove the plate from the head.
3. Attach your camera to the quick release plate using one of the provided 1/4" screws. Ensure the screw is tightened securely into the camera's tripod mount.
4. With the camera attached to the plate, re-insert the quick release plate into the geared head.
5. Engage and tighten the quick release plate locking mechanism to secure the camera firmly to the head. Verify that the camera is stable before use.

## OPERATING INSTRUCTIONS

---

### 1. Pan Adjustment

- To adjust the horizontal (pan) movement, locate the dedicated fold-away rotating handle for pan.
- Rotate this handle to achieve precise horizontal positioning of your camera.
- Once the desired position is reached, the geared mechanism will hold the camera securely.

### 2. Tilt Adjustment

- For vertical (tilt) movement, use the dedicated fold-away rotating handle for tilt.
- Turn the handle to adjust the camera's vertical angle.
- The geared system ensures smooth and accurate tilt adjustments.

### 3. Side-to-Side Leveling

- A separate handle controls the side-to-side leveling of the camera.
- Use this handle to fine-tune the camera's horizontal alignment, ensuring a perfectly level shot.
- The integrated bubble level can assist in achieving accurate leveling.

### 4. Quick Release Plate Tension Adjustment

- The tension holding the round quick release plate can be adjusted for fine positioning.
- To make minor adjustments to the camera's position on the plate, slightly loosen the tension mechanism. This allows for small shifts while maintaining safety.
- Always re-tighten the tension mechanism after making adjustments to ensure the camera is fully secured.

## MAINTENANCE

---

- **Cleaning:** Regularly wipe the geared head with a soft, dry cloth to remove dust and debris. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.
- **Geared Mechanisms:** The geared mechanisms are designed for durability. Avoid forcing movements if resistance is encountered. Do not attempt to lubricate internal geared components unless specifically instructed by Manfrotto support, as this can attract dust and impair function.
- **Storage:** Store the geared head in a clean, dry environment, away from extreme temperatures and humidity.

## TROUBLESHOOTING

---

- **Camera Wobbles After Mounting:**

- Ensure the quick release plate is fully seated and its locking mechanism is securely tightened.
- Verify that the 1/4" screw attaching the camera to the quick release plate is tight.
- Check that the geared head itself is firmly mounted to the tripod or stand.

- **Difficulty with Geared Movement:**

- Inspect for any obstructions or debris in the geared mechanisms.
- Ensure handles are fully extended and engaged for operation.
- Do not apply excessive force; if movement is stiff, contact support.

- **Quick Release Plate Rotates Unexpectedly:**

- Ensure the quick release plate tension adjustment is properly tightened after positioning.
- Periodically check the tightness of the quick release plate locking mechanism.

## SPECIFICATIONS

<b>Brand</b>	Manfrotto
<b>Model</b>	400
<b>Item Weight</b>	3 Kilograms
<b>Maximum Weight Recommendation</b>	10 Kilograms
<b>Compatible Devices</b>	Camera
<b>UPC</b>	719821287674
<b>GTIN</b>	00719821287674

## WARRANTY INFORMATION

Manfrotto products are covered by a manufacturer's warranty. For specific details regarding the warranty period, coverage, and terms for your Manfrotto Studio Geared Head 400, please refer to the warranty card included with your product or visit the official Manfrotto website.

## CUSTOMER SUPPORT

Should you require assistance, have questions about your Manfrotto Studio Geared Head 400, or need to report a technical issue, please contact Manfrotto customer support. Contact information can typically be found on the official Manfrotto website or in the packaging materials.

