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› Benro B1 Triple Action Ballhead User Manual

Benro B1

Benro B1 Triple Action Ballhead User Manual

Model: B1

INTRODUCTION

The Benro B1 Triple Action Ballhead is a professional-grade ball head designed for precise and secure camera positioning. It features a dual-action design with separate drag adjustment and lock knobs, ensuring stable operation for various photographic needs. Constructed with magnesium alloy components, it offers both high performance and a lightweight design.



Figure 1: Overview of the Benro B1 Triple Action Ballhead.

WHAT'S IN THE BOX

- Benro B1 Double Action Ballhead

SETUP

Attaching to a Tripod

The Benro B1 Ballhead features a standard 3/8"-16 threaded base for attachment to most tripods. Ensure your tripod's mounting screw is compatible. Securely tighten the ballhead onto the tripod's mounting plate.

Attaching the Quick Release Plate (PU60)

The ballhead comes with a PU60 Arca-Swiss style quick release plate. This plate attaches to your camera or lens collar. The plate features a 1/4"-20 camera/lens screw for secure attachment.

1. Locate the quick release plate and the 1/4"-20 screw.
2. Align the screw with the tripod mount thread on your camera or lens collar.
3. Use a coin or the provided tool to tighten the screw securely.



Figure 2: The quick release plate (PU60) attached to the ballhead. Note the 1/4"-20 screw for camera attachment.

OPERATING THE BALLHEAD

Mounting Your Camera

1. Ensure the quick release clamp is open. The Benro B1 features a safety stop screw mechanism to prevent accidental plate release.

2. Slide the quick release plate (with camera attached) into the clamp.
3. Tighten the quick release clamp knob until the plate is securely fastened.

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Video 1: Demonstrates the quick release system and how to attach a camera to the ballhead. This video highlights the compatibility with Arca-Swiss style quick release plates and brackets.

Adjusting Ballhead Movement (Lock and Drag Control)

The B1 ballhead features separate knobs for locking the ball and adjusting the drag (friction) of the ball movement. This dual-action design allows for precise control.

- **Main Lock Knob:** This larger knob locks the ball in place, preventing any movement. Turn clockwise to lock, counter-clockwise to loosen.
- **Friction Control Knob:** This smaller knob adjusts the tension or drag on the ball when the main lock knob is loosened. This allows for smooth, controlled movement without completely freeing the ball. Adjust to prevent sudden drops of your camera.



Figure 3: The main lock knob and the friction control knob on the Benro B1 ballhead. These separate controls help avoid confusion when working quickly.

360° Panning

The base of the ballhead features a separate panning lock knob, allowing for smooth 360-degree horizontal rotation without affecting the ball's tilt. This is ideal for panoramic photography or tracking moving subjects.

- To pan, loosen the panning lock knob located at the base of the ballhead.
- Rotate the camera horizontally to the desired position.
- Tighten the panning lock knob to secure the position.

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Video 2: Illustrates the 360-degree panning capability of the Benro B-Series ballheads, demonstrating easy horizontal movement orchestration.

Built-in Bubble Level

The quick release clamp incorporates a built-in bubble level. This feature assists in achieving perfectly level horizons and preventing uneven pans or head movements, especially crucial for landscape and architectural photography.



Figure 4: Close-up of the built-in bubble level on the quick release clamp, used to ensure level camera positioning.

MAINTENANCE

- Keep the ballhead clean from dust, dirt, and moisture. Use a soft, dry cloth for cleaning.
- Avoid using harsh chemicals or abrasive materials, as they may damage the finish or internal components.
- Periodically check all screws and knobs to ensure they are securely tightened.
- Store the ballhead in a dry, cool place when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera sags after locking ballhead.	Insufficient friction or main lock not fully tightened.	Ensure the main lock knob is fully tightened. Adjust the friction control knob to increase tension for heavier loads.
Quick release plate is difficult to insert/remove.	Clamp not fully open or debris in the clamp.	Ensure the quick release clamp knob is fully loosened. Check for and remove any debris from the clamp mechanism.
Panning movement is not smooth.	Panning lock knob not sufficiently loosened or dirt in the panning base.	Loosen the panning lock knob completely. Clean the panning base if necessary.

SPECIFICATIONS

Feature	Detail
Product Dimensions	5.8 x 4.6 x 4.4 inches
Item Weight	12.7 ounces (0.79 Pounds / 0.36 kg)
ASIN	B004477MD8
Item Model Number	B1
Maximum Weight Recommendation	12 Kilograms (26.4 lbs)
Quick Release Type	Arca-Swiss Style (PU60)
Head Mount	1/4"-20 (for camera/lens)
Color	Black
Manufacturer	Benro

WARRANTY AND SUPPORT

Benro offers a 3-year warranty from the date of purchase to the original owner. By registering online, your warranty is extended an additional 2 years, for a total of 5 years.

For further information and full specifications, please visit the official Benro website:[BenroUSA.com](https://www.BenroUSA.com)

For customer support or service inquiries, please refer to the contact information provided on the BenroUSA website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question