

[Manuals.plus](#) /

> [Benro](#) /

> Benro B2 Double Action Ballhead Instruction Manual

Benro B2

Benro B2 Double Action Ballhead Instruction Manual

Model: B2
Brand: Benro

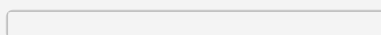
INTRODUCTION

The Benro B2 Double Action Ballhead is engineered for photographers seeking precise and secure camera positioning. Its dual-action design incorporates separate controls for drag adjustment and locking, providing enhanced flexibility. Constructed with magnesium alloy components, the B2 ballhead ensures both high performance and a lightweight profile, making it a reliable choice for various photographic applications.

Key Features

- Dual independent manual drag and locking controls for precise adjustments.
- Universal Arca-Swiss style Quick Release mounting plate system for broad compatibility.
- Magnesium alloy components contribute to superior performance and reduced weight.
- Maximum Load Capacity: 44 lbs (20 kg).
- Head Mount: 1/4-20 thread.
- Quick Release Type: Arca-Swiss Style (PU60).
- Includes PU-60 quick release plate (50 x 38mm) with rubber upper surfaces and safety stop screws to prevent accidental dislodgement.

PRODUCT OVERVIEW



A front view of the Benro B2 Double Action Ballhead, showcasing its main body, quick release plate, and control

Components

- **Main Ballhead Body:** Houses the spherical ball mechanism.
- **Quick Release Clamp:** Secures the quick release plate.
- **Quick Release Plate (PU-60):** Attaches to your camera and slides into the clamp.
- **Main Lock Knob:** Controls the locking of the ball movement.
- **Drag Adjustment Knob:** Adjusts the friction of the ball movement.
- **Panning Lock Knob:** Locks the 360-degree panning base.
- **Built-in Bubble Level:** Assists in achieving level horizons.

SETUP

Attaching to a Tripod

1. Ensure your tripod's mounting screw is compatible with the ballhead's 3/8-inch thread (or use an adapter if necessary).
2. Carefully screw the Benro B2 ballhead onto the tripod's mounting platform until it is securely tightened. Do not overtighten.

Attaching Your Camera

1. Locate the PU-60 quick release plate.
2. Attach the quick release plate to the bottom of your camera by screwing the 1/4-20 thread into the camera's tripod socket. Ensure it is firmly tightened.
3. Open the quick release clamp on the ballhead by turning the main lock knob counter-clockwise until the clamp is wide enough to accept the plate.
4. Slide the quick release plate with your camera into the clamp. Ensure it is fully seated and the safety stop screws engage.
5. Tighten the main lock knob clockwise to secure the camera firmly in place. Verify that the camera is stable before releasing your grip.

Benro B-Series Ballheads Overview

This video demonstrates the key features and setup of Benro B-Series Ballheads, including quick release system and control knobs.

OPERATING INSTRUCTIONS

Adjusting Ballhead Movement

- **Main Lock Knob:** Turn clockwise to lock the ball in position, preventing any movement. Turn counter-clockwise to loosen the ball and allow for free movement and positioning of your camera.
- **Drag Adjustment Knob:** This smaller knob, often with numerical markings, allows you to set the tension or friction of the ball movement when the main lock knob is loosened. Adjust it to provide enough resistance to prevent your camera from flopping freely, especially with heavier lenses, while still allowing smooth repositioning.

Panning

The Benro B2 ballhead features a separate panning base that allows for 360-degree horizontal rotation without affecting the ball's tilt. To pan, ensure the main lock knob is tightened to secure the ball, then loosen the panning lock knob (located at the base of the ballhead). Rotate your camera to the desired horizontal position, then tighten the panning lock knob to secure it.

Using the Built-in Bubble Level

The integrated bubble level on the quick release clamp helps ensure your camera is perfectly level, preventing uneven horizons in your photographs. Adjust the ballhead's position until the bubble is centered within the level indicator.

Why Use a Tripod?

This video explains the benefits of using a tripod for photography, demonstrating how a stable platform like the Benro B2 ballhead can improve image quality and facilitate precise camera movements.

SPECIFICATIONS

Feature	Detail
Product Dimensions	9.45 x 27.17 x 0.98 inches
Item Weight	0.014 ounces (0.41 Grams)
ASIN	B004477MDI
Item Model Number	B2
Batteries Required	1 12V batteries (Not for ballhead operation)
Date First Available	November 1, 2010
Manufacturer	Benro
Color	Black
Compatible Devices	Camera
Maximum Weight Recommendation	44 Pounds
Folded Size	3.9 inches (h) x 4.4 inches (w) x 4.4 inches (l)
UPC	608819843124

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the ballhead after each use. For stubborn dirt, a slightly damp cloth can be used, but ensure the ballhead is completely dry before storage. Avoid using harsh chemicals or abrasive materials.
- **Lubrication:** The internal mechanisms of the ballhead are factory-lubricated and generally do not require user lubrication. If movement becomes stiff, consult professional service.
- **Storage:** Store the ballhead in a clean, dry environment, away from extreme temperatures and humidity.

- **Inspection:** Periodically check all knobs and screws for tightness. Ensure the quick release plate mechanism operates smoothly and securely.

TROUBLESHOOTING

- **Camera Sagging:** If your camera sags slightly after tightening the ballhead, ensure the main lock knob is fully tightened. Also, adjust the drag adjustment knob to increase friction, especially with heavier camera setups.
- **Stiff Movement:** If the ballhead movement feels stiff, check for any debris or dust accumulation. Clean the ballhead as per the maintenance instructions. If the issue persists, professional servicing may be required.
- **Quick Release Plate Not Securing:** Ensure the quick release plate is correctly seated in the clamp and the main lock knob is fully tightened. Check that the safety stop screws are not obstructed.
- **Panning Not Smooth:** Ensure the panning lock knob is sufficiently loosened. Clean the panning base to remove any dust or grit that might impede smooth rotation.

WARRANTY AND SUPPORT

Benro products are manufactured to high-quality standards and come with a limited warranty. For specific warranty details, registration, and technical support, please refer to the official Benro website or contact Benro customer service. Keep your purchase receipt as proof of purchase for warranty claims.

