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› [Benro](#) /

› Benro VX30 PU50X Dual Panoramic Ball Head Instruction Manual

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Benro VX30 PU50X Dual Panoramic Ball Head Instruction Manual

Model: VX30

1. PRODUCT OVERVIEW

The Benro VX Dual Panoramic Ball Head series is engineered for precision and versatility, offering advanced control for photographers. This ball head features a dual panoramic mode, allowing independent rotation from both its base and the quick-release platform. Simplified controls include an integrated ball friction adjustment within the main locking knob and a separate panoramic lock. The design incorporates a safety lock mechanism for the quick-release plate, ensuring secure camera attachment.

Key features include a maximum payload capacity of 30 kg, an Arca-Swiss style quick-release plate, and a lightweight yet robust aluminum construction. Secure locking controls, such as safety stops and the Pull & Twist function, prevent accidental detachment of your camera equipment.



Image 1.1: Benro VX30 Ball Head with a camera securely mounted, demonstrating its compact and stable design.

2. WHAT'S IN THE BOX

Upon unboxing, verify that all components are present:

- Benro VX30 Dual Series Arca-Type Aluminum Ball Head
- PU50X Quick Release Plate



Image 2.1: Top view of the Benro PU50X Quick Release Plate, showing the mounting screw and anti-slip pads.



Image 2.2: Bottom view of the Benro PU50X Quick Release Plate, highlighting the Arca-Swiss compatible design.

3. SETUP INSTRUCTIONS

3.1 Attaching the Ball Head to a Tripod

1. Ensure your tripod's mounting plate is clean and free of debris.
2. Align the 3/8"-16 threaded hole at the base of the VX30 ball head with the mounting screw on your tripod.
3. Rotate the ball head clockwise until it is securely tightened onto the tripod. Do not overtighten.

3.2 Attaching the Quick Release Plate to Your Camera

1. Locate the 1/4"-20 mounting screw on the PU50X quick release plate.
2. Align this screw with the tripod socket on the bottom of your camera.
3. Use a coin or the integrated D-ring (if present on your plate) to tighten the screw securely. Ensure the plate is flush against the camera body to prevent rotation.

3.3 Mounting Your Camera onto the Ball Head

1. Ensure the quick-release clamp on the ball head is open. This is typically done by rotating the main locking knob or a dedicated quick-release lever.
2. With the quick-release plate attached to your camera, slide the plate into the clamp on the ball head.
3. Listen for a click or feel the safety stop engage. This indicates the plate is correctly seated.
4. Tighten the quick-release clamp securely by rotating the main locking knob or engaging the lever. The "Pull & Twist" safety mechanism may require you to pull the knob outwards before twisting to fully lock or unlock.
5. Gently test the camera's stability to ensure it is firmly attached before releasing your grip.



Image 3.1: Close-up of the quick-release plate mechanism, showing the locking lever and safety pin.



Image 3.2: Detail of the quick-release safety system, including the 'P&T' (Pull & Twist) knob for secure attachment.

4. OPERATING INSTRUCTIONS

4.1 Ball Head Adjustment (Main Locking Knob)

The large main locking knob controls the movement and friction of the ball.

- **To unlock and adjust the ball:** Rotate the main locking knob counter-clockwise. This allows the ball to move freely, enabling you to position your camera at various angles.
- **To adjust friction:** The main locking knob often has an integrated friction control. As you loosen the knob, you can feel a range of resistance. Adjust it to provide enough friction to support your camera's weight while still allowing smooth movement.
- **To lock the ball:** Rotate the main locking knob clockwise until the ball is firmly secured in position. Ensure it is tight enough to prevent camera drift.



Image 4.1: Close-up of the main ball lock knob, labeled "BALL LOCK", used for adjusting ball head tension and position.

4.2 Panoramic Rotation

The VX30 features a dual panoramic system, allowing rotation from both the base and the quick-release platform.

- **Base Panoramic Rotation:** The base of the ball head has a dedicated panoramic lock knob. Loosen this knob to rotate the entire ball head assembly horizontally. This is useful for level panoramic shots. The base often includes degree markings for precise adjustments.
- **Platform Panoramic Rotation:** The quick-release platform itself can also rotate independently. This allows for precise adjustments without disturbing the main ball head position. Loosen the dedicated panoramic lock knob on the platform to enable this rotation.
- **To lock panoramic movement:** Tighten the respective panoramic lock knob (either on the base or the platform) clockwise until the movement is secured.



Image 4.2: Detail of the panoramic lock knob, labeled "PAN LOCK", located at the base of the ball head for horizontal rotation.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Benro VX30 PU50X Ball Head.

- **Cleaning:** Use a soft, dry cloth to wipe down the ball head after each use. For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by thorough drying.
- **Avoid Abrasives:** Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal mechanisms.
- **Lubrication:** The ball head is designed to be maintenance-free regarding lubrication. Do not apply oils or greases to the ball or locking mechanisms, as this can attract dust and impair performance.
- **Storage:** Store the ball head in a clean, dry environment, away from extreme temperatures and humidity.
- **Inspection:** Periodically check all screws and knobs for tightness. Ensure the quick-release plate mechanism operates smoothly and securely.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Ball head does not lock securely.	Main locking knob not fully tightened. Insufficient friction setting.	Ensure the main locking knob is rotated clockwise until firm. Adjust the integrated friction control if present.
Quick release plate slips or detaches.	Plate not fully seated in the clamp. Clamp not fully tightened. Safety lock not engaged.	Re-seat the quick release plate, ensuring it clicks into place. Fully tighten the quick-release clamp. Ensure the "Pull & Twist" safety mechanism is correctly engaged.

Problem	Possible Cause	Solution
Panoramic movement is stiff or rough.	Panoramic lock knob is too tight. Dirt or debris in the rotating mechanism.	Loosen the panoramic lock knob slightly. Clean the rotating base with a soft, dry cloth.

7. SPECIFICATIONS

Model Number	VX30
Brand	Benro
Maximum Recommended Load	30 kg (66 lbs)
Compatible Devices	Camera
Folded Size (H x W x L)	3.93 inches x 2.55 inches x 0 inches
Material	Aluminum
Color	Black
Water Resistance Level	Waterproof

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Benro VX30 PU50X Ball Head comes with a **5-year warranty**. This includes a standard 3-year warranty, which can be extended by an additional 2 years upon online registration. Please retain your proof of purchase for warranty claims.

8.2 Spare Parts Availability

Spare parts for this product are available for a period of **5 years** from the date of purchase.

8.3 Customer Support

For technical assistance, warranty claims, or general inquiries, please contact Benro customer support through their official website or authorized service centers. Refer to the Benro official website for the most up-to-date contact information.