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› OM SYSTEM Olympus 10 X 42 PRO Binocular User Manual

OM SYSTEM 10 X 42 PRO

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INTRODUCTION

Welcome to your new OM SYSTEM Olympus 10 X 42 PRO Binocular. This high-performance binocular is engineered with Superior Olympus Zuiko Optics, providing accurate and comfortable viewing for extended periods. Its robust design makes it ideal for activities such as bird watching and wildlife viewing in diverse weather conditions.

Key features include 10X magnification, waterproof and anti-fog construction, a roof prism design with Dielectric Reflective Multilayer Coating for improved light transmission, 42mm objective lenses for clear and bright vision, and ED lenses to reduce aberrations and distortion for sharp, high-resolution images.

WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- OM SYSTEM Olympus 10 X 42 PRO Binocular
- Protective Case
- Neck Strap
- Eyepiece Lens Caps
- Objective Lens Caps
- Warranty Information and Manual



Image: The binocular accessories, including the protective case, neck strap, and lens caps.

SETUP

Attaching the Neck Strap

Attach the provided neck strap to the strap lugs located on each side of the binocular body. Thread the strap through the lugs and secure it according to the strap's design. Ensure both ends are securely fastened to prevent accidental drops during use.

Adjusting Eyecups

The binocular features twist-up click-stop eyecups. Rotate the eyecups counter-clockwise to extend them for use without eyeglasses. Rotate them clockwise to retract them for use with eyeglasses. Adjust until you achieve a full, clear field of view without vignetting (dark edges).



Image: Rear view of the binocular, highlighting the eyecups and focus mechanism.

Adjusting Interpupillary Distance

Hold the binocular up to your eyes. Adjust the hinge between the two barrels by moving them closer together or further apart until you see a single, perfectly circular field of view. This aligns the binocular's optical axes with your eyes.



Image: Front view of the binocular, showing the adjustable barrels.

Focusing

1. **Diopter Adjustment:** Close your right eye and look through the left barrel. Rotate the center focus wheel until the image in the left barrel is sharp.
2. **Diopter Adjustment:** Close your left eye and look through the right barrel. Rotate the diopter adjustment ring (typically located on the right eyepiece) until the image in the right barrel is sharp.
3. **General Focusing:** With both eyes open, use only the center focus wheel to adjust focus for various distances. The diopter setting should remain constant unless your eyesight changes or another user adjusts it.

OPERATING

General Usage

The 10x magnification provides a detailed view of distant objects, while the 6.2-degree field of view allows for

comfortable observation of wider areas. For stable viewing, especially during extended periods or when observing at high magnification, consider mounting the binocular on a tripod using the integrated tripod mount adapter (adapter sold separately).



Image: Angled view of the binocular, demonstrating its form factor.

Waterproof and Fogproof Features

These binoculars are designed with a robust waterproof and anti-fog construction, making them suitable for use in challenging weather conditions. The nitrogen-filled body prevents internal fogging due to temperature changes. Additionally, the oil-repellent coating on the lenses helps water and dirt to be wiped off easily, maintaining clear vision.



Image: Binoculars shown with water, illustrating their weatherproof design.

MAINTENANCE

Cleaning Lenses

To clean the lenses, first gently brush off any loose dust or debris using a soft lens brush or compressed air. Then, use a clean, soft, lint-free microfiber cloth specifically designed for optical lenses. For stubborn smudges or fingerprints, apply a small amount of lens cleaning fluid to the cloth (never directly to the lens) and gently wipe in a circular motion. Avoid using abrasive materials, paper towels, or harsh chemicals, as these can damage the lens coatings.

Storage

When not in use, always place the eyepiece and objective lens caps on the binocular to protect the lenses from dust, dirt, and scratches. Store the binocular in its protective case in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid storing in areas with high humidity.

TROUBLESHOOTING

- **Blurred Image:** If the image appears blurred, ensure both the center focus wheel and the diopter adjustment are correctly set for your eyes. Check for dirt or smudges on the lenses and clean them as per the maintenance instructions.
- **Double Image:** If you see two overlapping images, the interpupillary distance is likely incorrect. Adjust the hinge between the barrels until you see a single, merged image.
- **Limited Field of View:** Ensure the eyecups are correctly adjusted for your viewing preference (extended for no glasses, retracted for glasses). Improper eyecup adjustment can cause vignetting.
- **Internal Fogging:** While the binoculars are anti-fog, extreme and rapid temperature changes can sometimes cause temporary condensation. Allow the binoculars to acclimate to the ambient temperature. If persistent, contact support.

SPECIFICATIONS

Feature	Specification
Brand	OM SYSTEM

Model Name	PRO
Model Number	10 X 42
Magnification	10X
Objective Lens Diameter	42 mm
Field of View	6.2 Degrees
Apparent Angle of View	62 Degrees
Eye Relief	16 mm
Exit-Pupil Diameter	4.2 mm
Prism Type	Roof Prism
Focus Type	Center Focus
Special Features	Extra-Low Dispersion Objectives, Fully Multi-Coated Optics, Nitrogen Filled, Waterproof and Fogproof, Phase-Corrected Dielectric-Coated Prisms, Twist-Up Click-Stop Eyecups, Oil- and Water-Repellent Lens Coatings
Material	Magnesium
Weight	680 Grams
Dimensions (L x W x H)	5.5"L x 5.2"W x 2.1"H
UPC	050332192294

WARRANTY AND SUPPORT

The OM SYSTEM Olympus 10 X 42 PRO Binocular comes with a 15-year warranty, covering manufacturing defects and workmanship under normal use. For technical support, service, or warranty claims, please visit the official OM SYSTEM website or contact their customer service department. Always retain your purchase receipt as proof of purchase for warranty validation.

For more information and product registration, please visit the [OM SYSTEM Store](#).