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DONGKER 90X90

DONGKER 90X90 Binoculars User Manual

Model: 90X90

Introduction

Thank you for choosing the DONGKER 90X90 Binoculars. This manual provides detailed instructions for the proper use, care, and maintenance of your binoculars. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.
These binoculars are designed for a wide range of outdoor activities, including concerts, travelling, hiking, bird watching, and general observation, offering clear and magnified views.

Product Features

- **High Definition & Large Field of View:** 90X90 magnification with 10 times magnification, featuring BAK4 lens material for clearer and larger field of view.
- **Lens Coating:** Equipped with FMC multi-layer broadband green coating for enhanced clarity and brightness.
- **Non-slip Handle:** Ergonomically designed non-slip grip ensures secure handling, even with one hand.
- **Waterproof Design:** Built to withstand various weather conditions, making them suitable for outdoor use.
- **Large Eyepiece:** Features a 20mm large eyepiece for comfortable viewing.



Figure 1: Front view of the DONGKER 90X90 Binoculars.



Figure 2: Illustration of BAK4 prism and FMC coating benefits for clear imaging.

Package Contents

Upon opening your DONGKER 90X90 Binoculars package, please verify that all items listed below are present and in good condition:

- DONGKER 90X90 Binoculars
- Lens Cleaning Cloth
- Carrying Case (if included with purchase)
- Neck Strap (if included with purchase)
- User Manual (this document)

Setup

1. **Unpacking:** Carefully remove the binoculars and all accessories from the packaging.
2. **Attaching the Neck Strap (Optional):** If a neck strap is provided, thread each end of the strap through the strap loops on the sides of the binoculars. Secure the strap firmly.
3. **Adjusting Eyecups:**
    - For users without eyeglasses, twist the eyecups counter-clockwise until they are fully extended.
    - For users with eyeglasses, keep the eyecups in their retracted position.

4. **Interpupillary Distance Adjustment:** Hold the binoculars with both hands and look through the eyepieces. Bend the binoculars at the hinge until you see a single, clear circular field of view. This adjusts the distance between the eyepieces to match the distance between your eyes.



Figure 3: Proper handling and adjustment of binoculars for comfortable viewing.

Operating Instructions

1. **Focusing:**
    - Close your right eye and look through the left eyepiece. Rotate the central focus wheel until the image is sharp and clear.
    - Open your right eye and close your left eye. Look through the right eyepiece and rotate the diopter adjustment ring (usually on the right eyepiece) until the image is sharp and clear.

- Now, with both eyes open, use only the central focus wheel to adjust the focus for different distances. The diopter setting should remain constant for your eyes.

2. **Viewing:** Point the binoculars towards your desired subject. Use the central focus wheel to fine-tune the image clarity.
3. **Low Light Vision:** While these binoculars offer enhanced low light performance due to their large objective lenses and FMC coating, they are not true night vision devices. They gather more ambient light to brighten dim scenes.



Figure 4: Details of the central focus wheel and eyepiece for adjustment.



Figure 5: Examples of wide vision and various viewing applications.

Maintenance

- **Cleaning Lenses:** Use the provided lens cleaning cloth or a soft, lint-free cloth specifically designed for optics. Gently wipe the lenses in a circular motion. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Cleaning Body:** Wipe the body of the binoculars with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the binoculars in their carrying case in a cool, dry place when not in use. Avoid extreme

temperatures and high humidity.

- **Waterproof Care:** While waterproof, avoid submerging the binoculars. If they get wet, wipe them dry thoroughly before storing.

Troubleshooting

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Incorrect focus adjustment.	Adjust the central focus wheel and diopter ring as described in the "Operating Instructions" section.
Double image or two overlapping circles.	Interpupillary distance is not correctly set.	Adjust the hinge of the binoculars until a single, clear circular field of view is achieved.
Dark edges or vignetting.	Eyecups not correctly adjusted for eyeglasses or lack thereof.	Adjust eyecups according to whether you wear eyeglasses or not.
Image appears dim.	Insufficient ambient light or dirty lenses.	Ensure lenses are clean. Binoculars enhance existing light but do not create it.

Specifications

Feature	Detail
Brand	DONGKER
Model	90X90
Magnification Maximum	90 x (10 times actual magnification)
Objective Lens Diameter	36 Millimeters
Eyepiece Diameter	20 Millimeters
Lens Material	BAK4
Lens Coating	FMC Multi-layer Broadband Green Coating
Special Feature	Waterproof
Item Weight	1.52 pounds
Package Dimensions	7.8 x 6.69 x 2.91 inches



Figure 6: Visual representation of product dimensions and key optical specifications.

Warranty and Support

DONGKER is committed to providing high-quality products. For any questions or concerns regarding your DONGKER 90X90 Binoculars, please contact our customer service. We aim to provide satisfactory after-sales service.
Please refer to your purchase documentation for specific warranty terms and conditions, as these may vary. Keep your proof of purchase for any warranty claims.
For support, you may visit the official DONGKER store on Amazon:DONGKER Store

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