K&F Concept 49MM

K&F Concept 49mm Variable ND2-ND400 ND Lens Filter Instruction Manual

Model: 49MM
Brand: K&F Concept

Introduction

This manual provides comprehensive instructions for the K&F Concept 49mm Variable ND2-ND400 ND Lens Filter. Designed for camera lenses, this filter offers adjustable neutral density from 1 to 9 stops, allowing for versatile light control in various photographic scenarios. Crafted from premium AGC optical glass with 8 multi-layer coatings, it effectively reduces reflections and glare, ensuring superior image quality. Its slim design and CNC-patterned ring facilitate easy attachment and detachment.

Product Overview



Figure 1: The K&F Concept 49mm Variable ND2-ND400 ND Lens Filter, presented with its orange packaging.



Figure 2: Visual representation of the filter's 9 stops of adjustable light reduction, ranging from ND2 to ND400, demonstrating its ability to reduce exposure brightness.

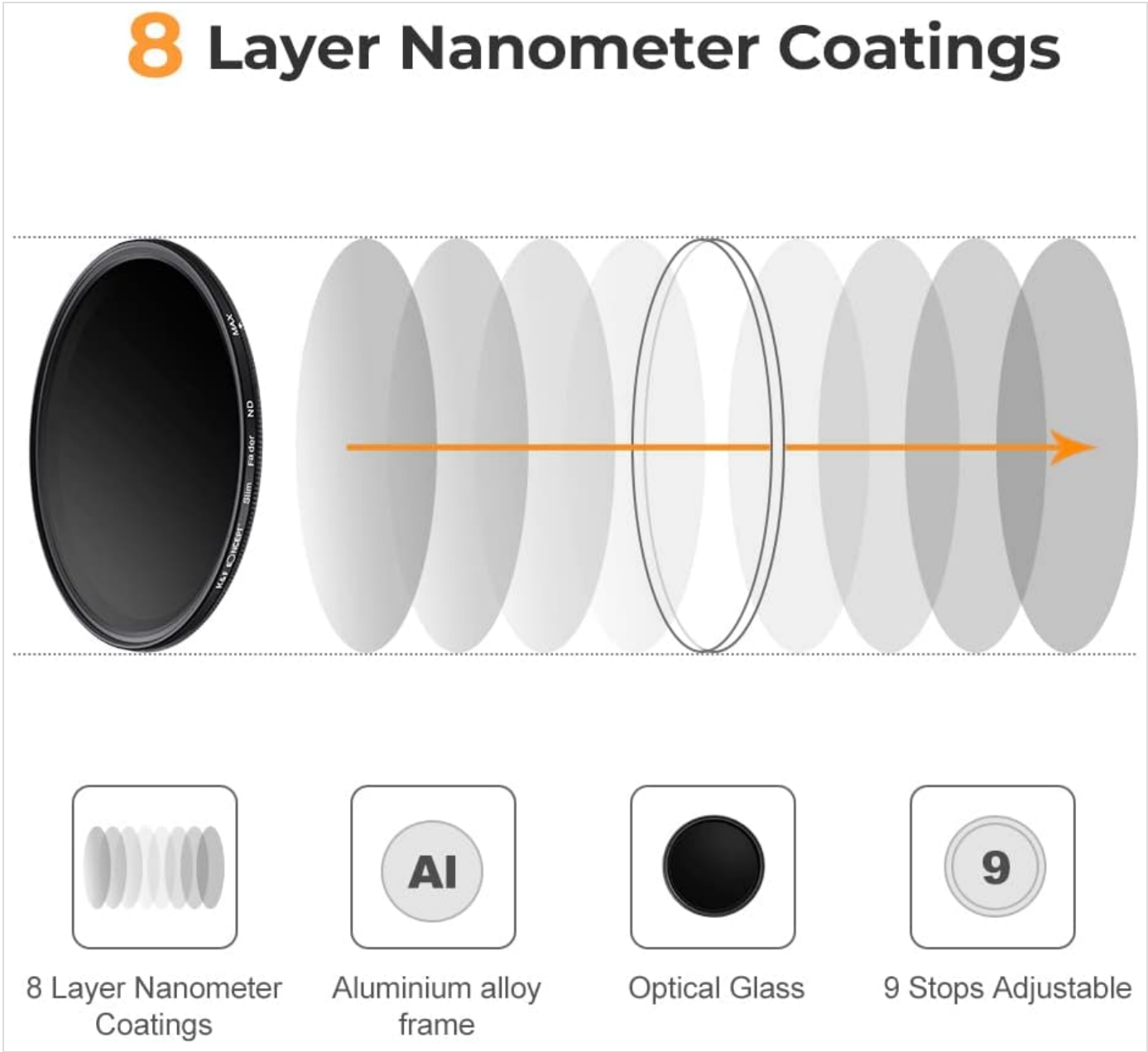


Figure 3: An exploded view diagram highlighting the 8 layer nanometer coatings, aluminum alloy frame, optical glass, and 9 stops adjustable feature of the filter.



Figure 4: A detailed view of the filter's durable aluminum alloy frame, designed for secure and smooth operation.



Figure 5: Demonstration of cleaning a camera lens with the included soft, dust-free microfiber cloth, ensuring protection for the filter's coating.



Figure 6: The complete package contents: the variable ND filter, multiple microfiber cleaning cloths, and a protective storage case.

Official Product Video

[redacted]

Video 1: K&F Concept 1-9 Stops Variable ND Lens Filter. This video demonstrates the filter's ability to master changing light conditions, capture motion blur, and offers free control of ND values, showcasing its practical application in photography.

Setup

1. **Identify Lens Thread Size:** Before attaching the filter, locate the thread size on your camera lens. This is usually indicated by a "ø" (diameter) symbol followed by a number (e.g., ø49mm) on the lens barrel or inside the lens cap. This filter is designed for 49mm lenses.
2. **Attach the Filter:** Gently align the filter's threads with the threads on the front of your camera lens. Rotate the filter clockwise until it is securely fastened. Do not overtighten.
3. **Lens Cap Compatibility:** Note that a 52mm lens cap is required for this 49mm variable ND filter due to its design.

Operating Instructions

The K&F Concept Variable ND filter allows you to control the amount of light entering your camera lens, enabling creative control over exposure in various lighting conditions.

- **Adjusting Neutral Density:** To adjust the light reduction, gently rotate the outer ring of the filter. The filter offers 1 to 9 stops of adjustable light reduction (ND2 to ND400). Rotate clockwise to increase density (darker) and counter-clockwise to decrease density (lighter).
- **Monitoring Exposure:** While adjusting, monitor your camera's exposure meter or live view display to achieve the desired brightness.
- **Creative Applications:**
  - **Long Exposure Photography:** Use higher ND settings (e.g., ND400) to achieve longer shutter speeds in bright daylight, creating motion blur effects for water, clouds, or moving subjects.
  - **Wide Aperture in Bright Light:** Maintain a wide aperture (low f-number) in bright conditions to achieve shallow depth of field (bokeh) without overexposing your image.
  - **Videography:** Control shutter speed to maintain cinematic motion blur (typically 1/50th or 1/60th of a second) even in bright outdoor settings.

Maintenance

Proper maintenance will extend the life and performance of your ND filter.

- **Cleaning:** Use the provided microfiber cleaning cloth to gently wipe away dust, fingerprints, or smudges from the filter's glass surfaces. For stubborn marks, a small amount of lens cleaning solution can be applied to the cloth (not directly to the filter).
- **Storage:** When not in use, store the filter in its protective case to prevent scratches and dust accumulation. Avoid storing in extreme temperatures or high humidity.
- **Handling:** Always handle the filter by its metal rim to avoid touching the glass surface.

Troubleshooting

- **"X Black Cross" Effect:** At maximum ND settings (typically beyond ND32 or ND64, depending on the lens and focal length), a common phenomenon known as the "X black cross" or vignetting may appear. This is a natural and temporary optical effect inherent to variable ND filters when pushed to their extreme limits. To mitigate this, slightly reduce the ND setting until the effect disappears.
- **Filter Not Fitting Lens:** Ensure you have the correct filter size for your lens. This filter is specifically for 49mm lens threads. Double-check your lens's thread size (marked with "ø" symbol).
- **Image Softness/Loss of Sharpness:** Ensure the filter is clean and free of smudges. Also, confirm it is securely attached to the lens without being cross-threaded.

Specifications

Feature	Detail
Product Dimensions	1.93 x 1.93 x 0.04 inches
Item Weight	2.82 ounces
ASIN	B07DNV7G15
Date First Available	June 11, 2018

Feature	Detail
Manufacturer	Shenzhen Zhuoer Photograph
Brand	K&F Concept
Material	Optical Glass
Photo Filter Thread Size	49 Millimeters
Coating Description	8 Multi-layer Coatings
Photo Filter Effect Type	Neutral Density (Variable ND2-ND400)
Water Resistance Level	Not Water Resistant
Photo Filter Factor	1-9 stops (ND2-ND400)

Warranty and Support

For warranty information, technical support, or any inquiries regarding your K&F Concept product, please refer to the official K&F Concept website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims. You can visit the K&F Concept Store for more information: K&F Concept Store on Amazon

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