K&F CONCEPT Slim Adjustable ND KF01.1058-64

K&F Concept 77mm Variable ND Filter ND2-ND32 Instruction Manual

Model: Slim Adjustable ND KF01.1058-64 (Nano-X Series)

1. Introduction

Thank you for choosing the K&F Concept 77mm Variable ND2-ND32 Camera Lens Filter. This filter is designed to provide photographers and videographers with precise control over exposure in various lighting conditions, enabling creative effects such as long exposure photography and wider aperture usage in bright environments. This manual will guide you through the proper installation, operation, maintenance, and troubleshooting of your new filter.

2. Product Features

- **1-5 Stops Light Reduction:** Offers adjustable light reduction from ND2 to ND32, allowing for flexible control over shutter speed and aperture.
- **Premium Optical Glass:** Constructed from imported AGC optical glass, ensuring high image quality by reducing reflections and glare without affecting color balance.
- **No "X" Cross Design:** Features a self-lock design and hard stops at ND2 and ND32 to prevent the common "X" cross pattern seen in variable ND filters at maximum density.
- **28 Multi-Layer Nano Coatings:** Equipped with K&F Concept's advanced Nano coating technology, providing waterproof, oil-repellent, and scratch-resistant properties for enhanced durability and easy cleaning.
- **CNC Precision Machining:** The filter frame is precisely machined for smooth rotation and secure attachment to your lens.



Image: Comparison showing the K&F Concept filter's ability to avoid the 'X' cross pattern, a common issue with variable ND filters.



Image: Close-up of the K&F Concept filter highlighting its 28 multi-layer nanometer coatings for superior optical performance.

3. Setup and Installation

Before installing your K&F Concept Variable ND filter, ensure you have the correct filter size for your camera lens. The lens thread size is typically indicated on the front of your lens barrel, often preceded by a "∅" (diameter) symbol. This filter is designed for 77mm lenses.

1. **Identify Lens Thread Size:** Locate the diameter symbol (e.g., ∅77mm) on your camera lens.
2. **Remove Lens Cap:** Carefully remove the front lens cap from your camera lens.
3. **Attach Filter:** Gently screw the K&F Concept 77mm Variable ND filter onto the front thread of your lens. Turn clockwise until it is securely fastened, but do not overtighten.
4. **Verify Fit:** Ensure the filter is flush with the lens and does not wobble.



Image: Visual guide on how to locate the filter thread size on your camera lens, indicated by the ∅ symbol.

Video: This video demonstrates how to identify the correct filter size for your camera lens, ensuring proper fit and function.

4. Operating Instructions

The K&F Concept Variable ND filter allows you to adjust the amount of light entering your lens by rotating the outer ring. This provides a range of 1 to 5 stops of light reduction (ND2 to ND32).

1. **Adjusting Density:** Rotate the outer ring of the filter to increase or decrease the neutral density. Turn clockwise to increase density (darker) and counter-clockwise to decrease density (lighter).
2. **Hard Stops:** The filter features hard stops at its minimum (ND2) and maximum (ND32) settings. This prevents over-rotation and helps avoid the "X" cross pattern often associated with variable ND filters at extreme settings.
3. **Exposure Control:** Use the variable ND feature to achieve desired photographic effects:
    - *Long Exposure:* In bright conditions, increase the ND density to allow for longer shutter speeds, creating motion blur effects in water, clouds, or moving subjects.
    - *Wide Aperture:* Reduce light intake to use wider apertures (smaller f-numbers) in bright light, achieving a shallower depth of field for subject isolation.
    - *Video Production:* Maintain a cinematic shutter speed (e.g., 1/50th or 1/60th of a second) in bright outdoor settings by adjusting the ND density, ensuring smooth motion in your footage.



Image: Illustration of the K&F Concept variable ND filter's accurate stops from ND2 to ND32, demonstrating precise light reduction.

Video: This video showcases the K&F Concept 77mm Fader ND Filter, demonstrating its variable density adjustment and the absence of the 'X' cross effect.

5. Maintenance and Care

Proper care will extend the life and performance of your K&F Concept ND filter.

- **Cleaning:** The 28 multi-layer nano coatings make the filter waterproof, oil-repellent, and scratch-resistant. For cleaning, gently wipe the glass surface with a clean microfiber cloth. For stubborn smudges, use a specialized lens cleaning solution.
- **Storage:** When not in use, store the filter in its protective case to prevent dust accumulation and accidental damage.
- **Handling:** Avoid touching the glass surface directly with your fingers to prevent oil and smudges. Always handle the filter by its metal frame.

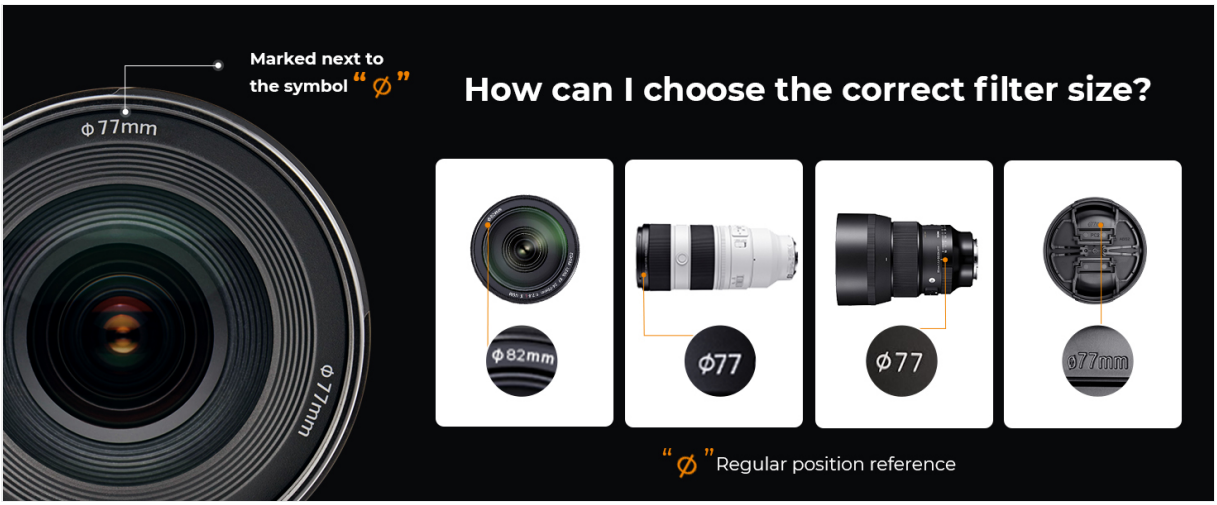


Image: Demonstration of the filter's water and dust proof coatings, showing how liquids bead up and are easily repelled from the surface.

6. Troubleshooting

- **"X" Cross Pattern:** This filter is designed with hard stops at ND2 and ND32 to prevent the "X" cross pattern. If you observe this, ensure the filter is not rotated beyond its designated maximum density stop.
- **Vignetting:** Some vignetting (darkening at the corners of the image) may occur, especially at wider focal lengths or if other filters are stacked. This is a common characteristic of some filter setups.
- **Color Shift:** While designed to be color neutral, slight color shifts can sometimes occur with any ND filter. This can often be corrected during post-processing using your camera's white balance settings or editing software.

7. Specifications

Feature	Detail
Brand	K&F CONCEPT
Model Number	Slim Adjustable ND KF01.1058-64
Photo Filter Size	77 Millimeters
Photo Filter Effect Type	Neutral Density (Variable ND2-ND32)
Light Reduction	1-5 Stops

Feature	Detail
Material	Optical Glass
Coating Description	28 Multi-Layer Nano Coating
Water Resistance Level	Waterproof
Product Dimensions	3.03 x 3.03 x 0.04 inches
Item Weight	2.08 ounces

8. Warranty and Support

For warranty information and customer support, please refer to the official K&F Concept website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

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