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K&F CONCEPT Variable ND2-32

K&F CONCEPT 62mm Variable ND2-32 Lens Filter Instruction Manual

Model: 62mm Variable ND2-32

Introduction Safety Information Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for choosing the K&F CONCEPT 62mm Variable ND2-32 Lens Filter. This filter is designed to provide photographers and videographers with precise control over exposure by reducing the amount of light entering the camera lens. It offers 1 to 5 stops of light reduction, enabling wider apertures in bright conditions and slower shutter speeds for creative effects, all while maintaining color neutrality and preventing the common "X" cross effect.
This manual provides detailed instructions for the proper installation, operation, and maintenance of your variable neutral density filter to ensure optimal performance and longevity.

2. Safety Information

- Handle the filter with clean hands to avoid fingerprints and smudges on the glass.
- Avoid dropping the filter, as this can cause damage to the glass or frame.
- Do not overtighten the filter when attaching it to your lens, as this may make it difficult to remove.
- Store the filter in its protective case when not in use to prevent scratches and dust accumulation.
- Keep the filter away from extreme temperatures and direct sunlight for prolonged periods.

3. Setup

3.1 Determining Your Lens Filter Size

Before attaching the filter, ensure you have the correct size for your camera lens. The filter size is typically indicated on the front of your lens barrel or on the inside of your lens cap, usually preceded by a "ø" (diameter) symbol. This K&F CONCEPT filter is 62mm in diameter.



Image: The K&F CONCEPT 62mm Variable ND2-32 Lens Filter attached to a camera lens. This image demonstrates the filter's appearance when mounted.

3.2 Attaching the Filter to Your Lens

1. Carefully remove the lens cap from your camera lens.
2. Align the threads of the K&F CONCEPT variable ND filter with the filter threads on the front of your lens.
3. Gently rotate the filter clockwise until it is securely attached. Avoid cross-threading or overtightening.
4. Once attached, the filter should sit flush and stable on your lens.



Image: A close-up view of the K&F CONCEPT Variable ND2-32 Lens Filter, highlighting its CNC precision machining and the ND adjustment markings on the ring. This shows the build quality and how to identify the ND settings.

4. Operation

4.1 Adjusting Neutral Density (ND) Levels

The K&F CONCEPT Variable ND2-32 filter allows for seamless adjustment of light reduction from 1 to 5 stops. To adjust the ND level, simply rotate the outer ring of the filter. The filter features hard stops at each end of its exposure range (ND2 to ND32) to prevent over-rotation and the undesirable "X" cross effect.

- Rotate the outer ring clockwise to increase the ND effect (darker, slower shutter speed).
- Rotate the outer ring counter-clockwise to decrease the ND effect (lighter, faster shutter speed).



Image: A side-by-side comparison illustrating the "No 'X' Cross" feature of the K&F CONCEPT filter. The left image shows a clear scene with the filter, while the right image shows a typical "X" cross artifact from other variable ND filters. This highlights the filter's advanced design.

4.2 Benefits of Using a Variable ND Filter

- **Shutter Speed Control:** Achieve slower shutter speeds in bright conditions to capture motion blur effects, such as silky smooth water or blurred clouds.
- **Aperture Control:** Use wider apertures (smaller f-numbers) in bright light to create a shallow depth of field, isolating your subject with pleasing background blur.
- **Video Production:** Maintain cinematic shutter speeds (e.g., 1/50th or 1/60th of a second) in bright outdoor environments while keeping your aperture wide open for desired depth of field.



Image: An example photograph of a waterfall, showcasing the smooth, blurred water effect achieved by using the K&F CONCEPT Variable ND2-32 Lens Filter to enable a slower shutter speed. This illustrates a key application of the filter.

4.3 "No X" Cross Feature

This filter incorporates a unique frame self-lock design and hard stops at the minimum and maximum ND settings. This engineering prevents the common "X" cross pattern that can appear in images when variable ND filters are rotated beyond their effective range, ensuring consistent image quality across all settings.



Image: A close-up of the K&F CONCEPT Variable ND2-32 filter on a camera lens, demonstrating the 18 multi-layer nanometer coatings. These coatings reduce reflections and glare, contributing to superior image quality.

4.4 Video Demonstration

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Video: An official K&F Concept video demonstrating the features and benefits of the NANO-K Series Limited Variable ND2-ND32 Filter. This video shows the filter in use and highlights its key functionalities.

5. Maintenance

5.1 Cleaning the Filter

The filter features 18 multi-layer nanometer coatings, which are durable but require proper cleaning to maintain optical clarity.

1. Use a blower brush to remove any loose dust or debris from the filter surface.

2. If smudges or fingerprints are present, gently wipe the filter with the provided microfiber cleaning cloth. For stubborn marks, a small amount of lens cleaning solution can be applied to the cloth (not directly to the filter).
3. Avoid using abrasive materials or harsh chemicals, as these can damage the coatings.



Image: A hand demonstrating the cleaning of the K&F CONCEPT Variable ND2-32 Lens Filter using a microfiber cloth. This illustrates the recommended method for maintaining the filter's optical quality.

5.2 Storage

Always store the filter in its original protective case or a dedicated filter pouch when not in use. This protects the filter from dust, scratches, and accidental impact.



Image: The K&F CONCEPT Variable ND2-32 Lens Filter shown with its vacuum packaging, protective case, and microfiber cleaning cloth. This image highlights the complete package and proper storage for the filter.

6. Troubleshooting

Problem	Possible Cause	Solution
"X" Cross Pattern Appears	While this filter is designed to prevent the "X" cross, it can occur if the filter is rotated beyond its intended ND range (past the hard stops).	Ensure the filter is rotated only within its marked ND2-ND32 range. The hard stops are designed to prevent this issue. If it still occurs, verify the filter is correctly mounted and not damaged.
Image Appears Soft or Blurry	Filter smudges, dust, or improper focus.	Clean the filter thoroughly. Ensure your camera is properly focused. In very low light with high ND, autofocus may struggle; consider manual focus.

Problem	Possible Cause	Solution
Color Shift in Images	While designed for color neutrality, slight shifts can occur with any ND filter, especially at maximum density.	Adjust your camera's white balance settings or correct the color balance during post-processing.
Filter Difficult to Attach/Remove	Cross-threading or overtightening.	Ensure careful alignment when attaching. Do not overtighten. If stuck, try using a rubber filter wrench for grip.

7. Specifications

- **Brand:** K&F CONCEPT
- **Model:** Variable ND2-32 (1-5 Stops)
- **Filter Size:** 62mm
- **Material:** Optical Glass
- **Coatings:** 18 Multi-Layer Nanometer Coatings
- **Effect Type:** Variable Neutral Density
- **Special Features:** No "X" Cross design, Hard Stops
- **Product Dimensions:** 3.94 x 3.94 x 1.1 inches (packaging), 2.44"L x 2.44"W (filter)
- **Item Weight:** 3.52 ounces
- **Manufacturer:** Shenzhen Zhuoer Photograph

8. Warranty and Support

K&F CONCEPT products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official K&F CONCEPT website. If you encounter any issues or require technical assistance, please contact K&F CONCEPT customer support through their official channels or the retailer from whom you purchased the product.
For more information and product registration, please visit:www.kentfaith.com

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