K&F CONCEPT 67mm Magnetic Filter Set (True Color CPL + Variable ND2-32 + Black Mist 1/4)

K&F CONCEPT 67mm Magnetic Filter Set Instruction Manual

Model: 67mm Magnetic Filter Set (True Color CPL + Variable ND2-32 + Black Mist 1/4)

1. Introduction

Thank you for choosing the K&F CONCEPT 67mm Magnetic Filter Set. This comprehensive kit is designed to enhance your photography and videography by providing versatile light control and creative effects. It includes a True Color Circular Polarizer (CPL) filter, a Variable Neutral Density (ND2-32) filter, and a Black Mist 1/4 filter, along with a magnetic adapter ring, magnetic lens cap, and a protective filter case.

This set is engineered with 28-layer nano-coating on optical glass, ensuring excellent light transmission, color accuracy, and durability against water, oil, and scratches. The magnetic design allows for quick and secure attachment and removal of filters, streamlining your workflow.



Image 1.1: The K&F CONCEPT 67mm Magnetic Filter Set, showcasing the CPL, Variable ND, Black Mist filters, adapter ring, and lens cap.

Key Features:

- **Magnetic Design:** Enables rapid filter attachment and removal, saving time during shoots.
- **True Color CPL:** Reduces reflections from non-metallic surfaces, enhances color saturation and contrast, and eliminates yellow cast issues in video.
- **Variable ND2-32:** Provides 1 to 5 stops of light reduction, allowing for slower shutter speeds and wider apertures in bright conditions.
- **Black Mist 1/4:** Softens highlights, lowers overall contrast, and creates a cinematic, dreamy effect.
- **28-Layer Nano-Coating:** Offers superior waterproof, oil-repellent, and scratch-resistant properties, ensuring durability and easy cleaning.
- **Optical Glass:** Constructed from high-quality AGC optical glass for excellent image clarity.

2. Setup and Installation

Follow these steps to correctly install and use your K&F CONCEPT magnetic filter set.

2.1 Attaching the Magnetic Adapter Ring

1. Identify the magnetic adapter ring from your kit. This ring screws onto your lens.
2. Carefully screw the magnetic adapter ring onto the front thread of your camera lens. Ensure it is securely fastened but do not overtighten.



Image 2.1: The magnetic adapter ring being screwed onto the camera lens.

2.2 Attaching Filters

Once the magnetic adapter ring is installed, you can easily attach any of the magnetic filters.

1. Select the desired filter (CPL, Variable ND, or Black Mist).
2. Align the filter with the magnetic adapter ring on your lens. The magnets will automatically snap the filter into place.
3. To stack filters, simply attach the next filter onto the previously attached magnetic filter.
4. To remove, gently pull the filter away from the lens.



Image 2.2: Illustration of the quick magnetic filter attachment and detachment process.

2.3 Video Guide for Setup and Use

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Video 2.1: This video demonstrates the magnetic filter set, including how to attach filters, adjust ND and CPL effects, and showcases before-and-after results.

3. Operating Instructions

3.1 Using the Variable ND2-32 Filter

The Variable ND filter allows you to control the amount of light entering your lens, providing 1 to 5 stops of light reduction (ND2 to ND32).

1. Attach the Variable ND filter to your lens via the magnetic adapter ring.
2. Locate the small red lever on the side of the filter. This lever is used to lock the circular rotation.
3. To adjust the ND strength, unlock the lever and rotate the front element of the filter. Observe the change in light reduction through your camera's viewfinder or live view.
4. Once the desired ND level is achieved, lock the lever to prevent accidental rotation.



Image 3.1: Visual guide demonstrating how to adjust the ND filter by rotating its front element.

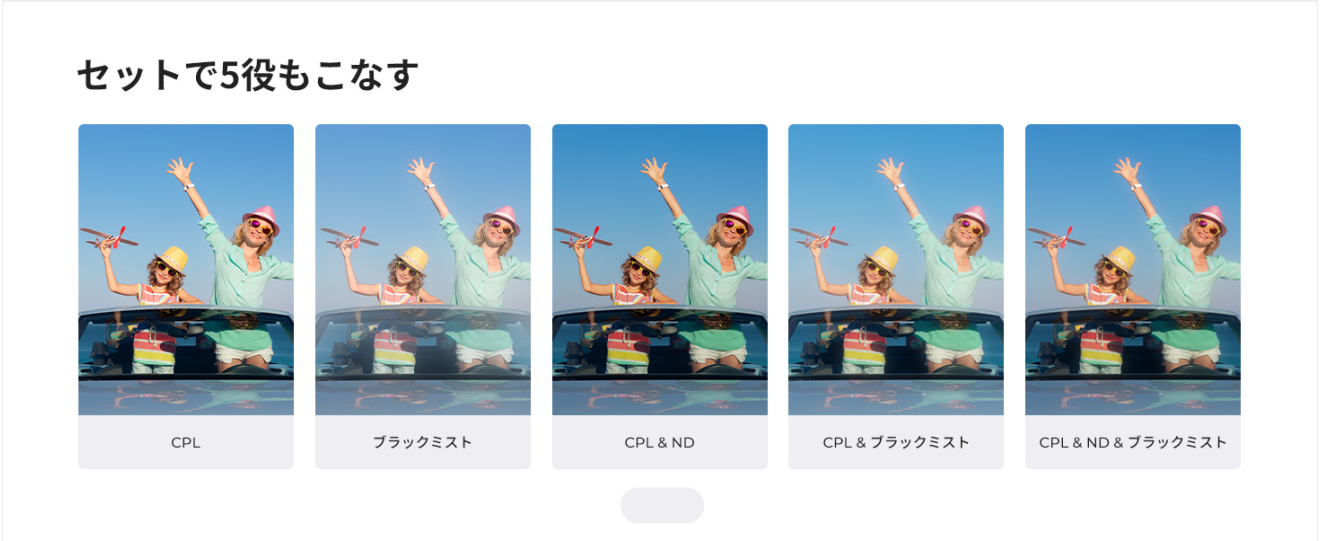


Image 3.2: Examples of different ND levels (ND2, ND4, ND8, ND16, ND32) and their effect on exposure.

3.2 Using the True Color CPL Filter

The CPL filter helps to reduce glare and reflections from non-metallic surfaces like water or glass, and enhances color saturation.

1. Attach the CPL filter to your lens via the magnetic adapter ring.
2. To adjust the polarization effect, unlock the red lever (if present, or simply rotate the front element if it's a standalone CPL).
3. Rotate the front element of the CPL filter while looking through your camera's viewfinder or live view. You will observe reflections disappearing and colors becoming more vibrant.
4. Stop rotating when the desired effect is achieved.



Image 3.3: Before and after comparison showing how the CPL filter removes reflections and restores natural colors in a landscape scene.



Image 3.4: Demonstration of the True Color technology, showing improved color reproduction and elimination of yellow cast compared to other filters.

3.3 Using the Black Mist 1/4 Filter

The Black Mist 1/4 filter diffuses light, softening highlights and reducing overall contrast to create a subtle, cinematic look.

1. Attach the Black Mist 1/4 filter to your lens via the magnetic adapter ring.
2. No adjustment is needed for this filter; its effect is inherent.

3. Use this filter to achieve a dreamy, ethereal quality in your images, particularly effective for portraits and scenes with strong light sources.



Image 3.5: A portrait demonstrating the soft, cinematic effect achieved with the Black Mist 1/4 filter, softening highlights and reducing contrast.



Image 3.6: Before and after comparison illustrating how the Black Mist 1/4 filter softens harsh highlights.

4. Maintenance and Care

Proper care will ensure the longevity and optimal performance of your K&F CONCEPT filters.

4.1 Cleaning Your Filters

- The filters feature a 28-layer nano-coating that provides waterproof, oil-repellent, and scratch-resistant properties, making them easy to clean.
- Use a soft, clean microfiber cloth specifically designed for optical lenses.
- For stubborn smudges or fingerprints, use a small amount of lens cleaning solution applied to the microfiber cloth (not directly to the filter).
- Gently wipe the filter surface in a circular motion until clean. Avoid harsh rubbing.



Image 4.1: Demonstration of the filter's water-repellent and oil-repellent properties, showing liquids beading on the surface, and a scratch resistance test.



Image 4.2: Diagram illustrating the multi-layer nano-coating that reduces reflections and enhances durability.

4.2 Storage

- Always store your filters in the provided protective case when not in use.
- Keep the case in a dry, dust-free environment away from extreme temperatures.
- The magnetic closure of the pouch provides double protection for your filters.

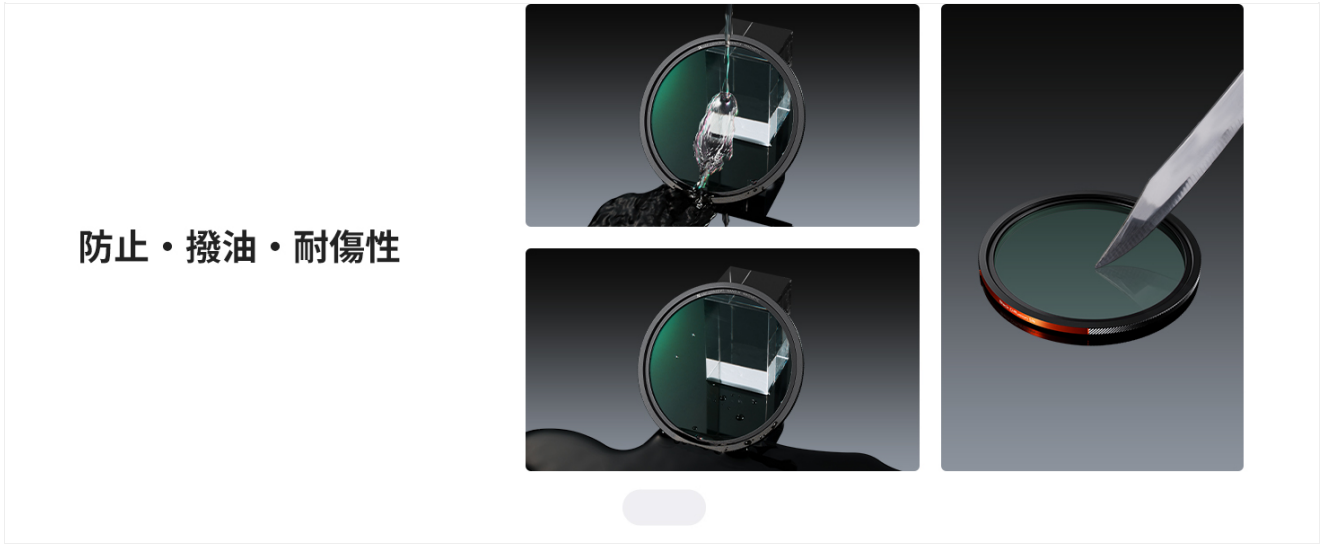


Image 4.3: The filter pouch featuring a magnetic closure for secure storage.

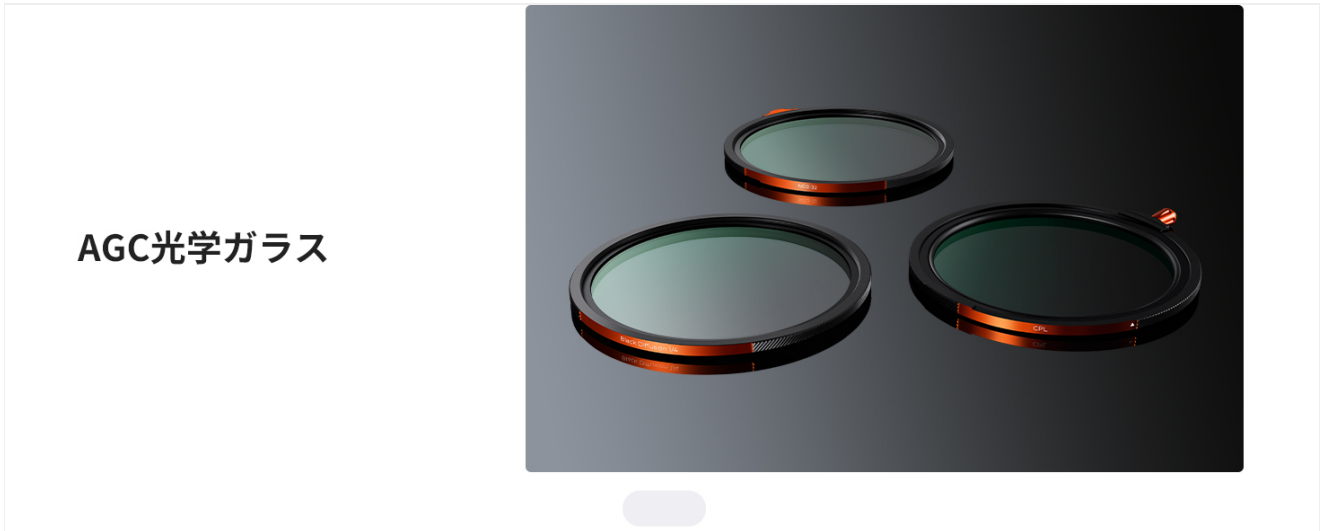


Image 4.4: The filter pouch designed for easy portability, attachable to a backpack.



Image 4.5: The filter pouch features a waterproof zipper for added protection against the elements.

5. Troubleshooting

5.1 Common Issues and Solutions

- **Vignetting:** If you observe dark corners in your images, especially with wide-angle lenses or when stacking multiple filters, try using a wider lens or removing one of the stacked filters.
- **X-Pattern on ND Filter:** An 'X' pattern can appear on variable ND filters at their maximum density settings. This is a common optical phenomenon. To avoid this, reduce the ND strength slightly.
- **Filters Not Attaching Securely:** Ensure the magnetic adapter ring is correctly and tightly screwed onto your lens. Check for any debris between the filter and the adapter ring that might prevent a secure magnetic connection.
- **Unwanted Reflections/Glare:** For CPL filters, rotate the outer ring to find the optimal angle for reflection reduction. Ensure the filter surface is clean.
- **Poor Image Quality:** Ensure filters are clean and free from smudges or dust. Always use the correct filter size for your lens.

6. Specifications

Feature	Detail
Brand	K&F CONCEPT
Model Number	JPSKU.2497
Filter Size	67mm
Filter Types Included	True Color CPL, Variable ND2-32, Black Mist 1/4
ND Filter Factor	ND2 (1 stop) to ND32 (5 stops)
Coating	28-layer Nano-coating
Glass Material	AGC Optical Glass
Special Features	Magnetic attachment, Waterproof, Oil-repellent, Scratch-resistant
Country of Origin	China

7. Warranty and Support

K&F CONCEPT products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries regarding your magnetic filter set, please refer to the official K&F CONCEPT website or contact their customer service directly.

Please retain your proof of purchase for any warranty claims.