

## Nikon C-PL460

# Nikon C-PL460 46mm Circular Polarizing Filter User Manual

## INTRODUCTION

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The Nikon C-PL460 is a 46mm slip-in circular polarizing filter designed for use with specific Nikon telephoto lenses that feature a rear filter slot. This filter is engineered to reduce reflections from non-metallic surfaces such as water and glass, and to enhance color saturation, particularly in skies, making them appear darker and more vibrant. It operates without impacting the lens's autofocus or auto exposure systems.

## Key Features

- **Enhanced Image Quality:** Minimizes reflections and glare, ensuring richer colors and increased contrast in photographs.
- **Superior Durability:** Features robust construction and a water-repellent coating, protecting the filter from scratches and environmental factors.
- **Seamless Compatibility:** Specifically designed for the NIKKOR Z 400mm f/2.8 TC VR S lens, ensuring a perfect fit and optimal performance.
- **Optimal Light Reduction:** Reduces unwanted glare and reflections, allowing for better saturation and clarity, especially in bright outdoor conditions.
- **Scratch Resistance:** Advanced coating technology provides a tough layer of protection against scratches, maintaining the filter's pristine condition.

## PACKAGE CONTENTS

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- Nikon C-PL460 46mm Slip-In Circular Polarizing Filter
- Protective Case (may vary by region/package)

## SETUP

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### Installing the Filter

The C-PL460 filter is designed for lenses with a dedicated rear filter slot, such as the NIKKOR Z 400mm f/2.8 TC VR S lens. Ensure your lens is compatible before installation.

1. Locate the filter slot near the rear of your compatible telephoto lens.
2. Gently slide the C-PL460 filter into the slot. Ensure it is fully seated.

3. Verify that the filter is securely in place. Some lenses may have a locking mechanism; consult your lens manual for specific details.



Image: The Nikon C-PL460 46mm Slip-In Circular Polarizing Filter. This image shows the filter's circular design and its slim profile, ready for insertion into a compatible lens slot.

## OPERATING THE FILTER

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### Adjusting Polarization

Once installed, the circular polarizing filter can be rotated to achieve the desired effect. The degree of polarization varies depending on the angle of rotation and the angle of the light source relative to your camera.

1. Look through your camera's viewfinder or live view display.
2. Slowly rotate the outer ring of the C-PL460 filter.
3. Observe the changes in reflections and sky saturation. Rotate until the desired effect is achieved.
4. For maximum effect, position the sun at a 90-degree angle to your camera.

### Effects of a Circular Polarizer

- **Reflection Reduction:** Significantly reduces glare and reflections from non-metallic surfaces like water,

glass, and foliage, allowing you to see through surfaces or enhance details.

- **Sky Enhancement:** Darkens blue skies, making clouds stand out more prominently and increasing overall contrast.
- **Color Saturation:** Enhances the vibrancy of colors, particularly in landscapes, by reducing atmospheric haze and reflections.

## MAINTENANCE

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### Cleaning the Filter

To maintain optimal performance and image quality, keep your C-PL460 filter clean.

1. Use a blower brush to remove any loose dust or debris from the filter surface.
2. For smudges or fingerprints, apply a small amount of lens cleaning solution to a clean, soft microfiber cloth.
3. Gently wipe the filter surface in a circular motion from the center outwards. Avoid excessive pressure.
4. Do not use abrasive materials or harsh chemicals, as these can damage the filter's coating.

### Storage

When not in use, store the filter in its protective case to prevent scratches and dust accumulation. Keep it in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

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### Filter Not Securely Seated / Falling Out

If the filter does not feel secure or tends to fall out of the lens slot:

- **Verify Compatibility:** Ensure your lens is specifically designed for slip-in filters of this size (46mm).
- **Proper Insertion:** Make sure the filter is fully inserted into the slot. Some lenses require a firm but gentle push until it clicks or seats properly.
- **Inspect Lens Slot:** Check the lens filter slot for any obstructions or damage that might prevent the filter from seating correctly.
- **Temporary Securement:** For critical shoots, some users may opt for temporary securement methods like photographer's tape, but this should be a last resort and applied carefully to avoid residue.
- **Contact Support:** If the issue persists, contact Nikon customer support for assistance.

## SPECIFICATIONS

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Feature	Detail
Brand	Nikon
Model Number	C-PL460
Product Dimensions	1.81 x 1.81 x 0.04 inches
Item Weight	2.11 ounces
Material	Glass
Photo Filter Thread Size	46 Millimeters

Coating Description	Multi Coating
Photo Filter Effect Type	Polarizer
Water Resistance Level	Not Water Resistant
UPC	018208042692

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Nikon website or contact Nikon customer service directly. Keep your purchase receipt as proof of purchase.

**Nikon Official Website:** <https://www.nikonusa.com>

**Customer Support:** Refer to the contact section on the official website for phone numbers and email support.