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› SmallRig 4411 Matte Box CPL Filter Kit Instruction Manual

## SMALLRIG 4411

# SmallRig 4411 Matte Box CPL Filter Kit

Instruction Manual

## INTRODUCTION

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Thank you for choosing the SmallRig 4411 Matte Box CPL Filter Kit. This kit is designed to enhance your filmmaking experience by providing precise light control and glare reduction. It features an adjustable clamp for wide lens compatibility, a quick-release mechanism for efficient setup, and a versatile filter set including CPL and VND filters. This manual provides essential information for proper assembly, operation, and maintenance of your new equipment.

## PACKAGE CONTENTS

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Please verify that all items listed below are included in your package:

- Matte Box with Adjustable Clamp × 1
- Lens Hood × 1
- Top Flag × 1
- CPL 1 Filter × 1
- CPL 2 Filter × 1
- Lens Cap × 1
- Dust Cover × 1
- User Manual × 1

## Package Includes

Matte Box with Adjustable Clamp × 1  
Lens Hood × 1  
Top Flag × 1  
CPL 1 Filter × 1  
CPL 2 Filter × 1  
Lens Cap × 1  
Dust Cover × 1  
User Manual × 1



### Product Dimensions

171.0 × 153.0 × 49.0mm /  
6.7 × 6.0 × 1.9in

### Net Weight

379.0g ± 5g /  
0.8 ± 0.01lb

### Package Dimensions

158.0 × 176.0 × 107.5mm /  
6.2 × 6.9 × 4.2in

### Package Weight

604.0g ± 5g /  
1.3 ± 0.01lb

### Material(s)

Aluminum Alloy, Nylon + Glass Fiber, Carbon Fiber,  
Magnet, Stainless Steel, Glass

Image showing the complete package contents including the matte box, lens hood, top flag, CPL filters, lens cap, dust cover, and user manual, along with product and package dimensions.

## PRODUCT FEATURES

### Adjustable Clamp Design

The SmallRig 4411 matte box features an adjustable clip-on design with a clamp range of 67-82mm (2.6" to 3.2"). This design ensures broad compatibility with various mirrorless and cinema lenses. **Note:** Remove any UV filter from the front of the lens before attaching the matte box.

### One Second Snap-on Design

Adjustable 67-82mm / 2.6-3.2in clamp for filter.  
No vignetting from  $\geq 16$ mm



**Note:** Remove the UV filter from the lens before use.


Illustration of the adjustable clamp design, highlighting the 67-82mm range for various lenses.

### Quick-Release Design

This matte box incorporates a three-point locking system for quick assembly and disassembly. Simply press the push rods on the sides of the clamp and the locking knob on top to secure or release the unit. **Important:** Do not operate the matte box without the top knob securely locked.

## Three-Point Locking System

Enhanced safety with top thumbscrew reinforcement

 **Note:** Please do not operate without the top knob securely locked.



Visual representation of the three-point locking system for secure and rapid attachment/detachment.

## Versatile Filter Set

The kit includes a filter set with magnetic attachment for seamless combination, offering dual CPL and VND filter functionality. The VND filter provides an adjustable range of 2-5 stops, featuring hard stop limits and light transmission control technology to eliminate crosshatching. The slim design prevents vignetting when the focal length is  $\geq 16\text{mm}$  (for full-frame cameras and lenses).

**Note:** This matte box is not compatible with 4 x 4" slide-in filters.

## Versatile Filter Set

The filter set features magnetic attachment for seamless combination, offering dual CPL and VND filter functionality



Depiction of the versatile filter set with magnetic attachment, showing CPL and VND filters.

## CPL Filter Functionality

CPL filters reduce glare and enhance clarity, improving color saturation and contrast. CPL1 can be used in combination with CPL2/CPL3 to form VND. CPL filters are directional; install them with the product information side of the logo facing outwards.

# Magnetic CPL Filter Kit for Versatile Combinations

CPL Filter: Reducing Glare, Enhancing Clarity



**Note:** "No vignetting" only at focal lengths  $\geq 16\text{mm}$  with full-frame cameras and lenses

Side-by-side comparison illustrating the effect of a CPL filter in reducing glare and improving image clarity.

## VND Filter Functionality

VND filters regulate light intake and maintain exposure balance, allowing for creative control over shutter speed and aperture in bright conditions. Ensure the alignment point is within the VND gear line when combining CPL filters for VND functionality.

## VND Combination

Regulating Light Intake and Maintaining Exposure Balance



**Note:** Not compatible with 4 x 4" slide-in filters

Side-by-side comparison demonstrating the effect of a VND filter in balancing exposure in bright conditions.

## Lens Compatibility

The matte box is compatible with a wide range of lenses. However, it cannot be installed if the external diameter of a mirrorless lens is greater than 88mm or a cinema lens is greater than 85mm.

# Lens Compatibility

For Sony		For Canon	
FE 16-35mm f/2.8 GM	E PZ 18-200mm f/3.5-6.3 OSS LE	EF 16-35mm f/2.8L III USM	EF 100mm f/2.8L IS USM
FE 24-70 f2.8 GM	FE 24-105mm f/4 G OSS	EF 16-35mm f/2.8L II USM	EF 70-300mm f/4-5.6L IS USM
FE 16-35mm f/4 ZA	FE 4/24-105 G OSS	EF 24-70mm f/2.8L II USM	EF 70-300mm f/4-5.6 IS II USM
FE 24-70mm f/4 ZA OSS (Vario-Tessar)	FE 24mm f/1.4 GM	EF 70-200mm f/2.8L IS II USM	EF-S 15-85mm f/3.5-5.6 IS USM
FE 70-200mm f/4 G OSS	Distagon T*FE 35mm f1.4 ZA	EF 24-105mm f/4L IS USM	EF 100mm f/2 USM
FE 24-70mm f/4 ZA OSS	FE 90mm f/2.8 G OSS	EF 24-105mm f/4L IS II USM	TS-E 24mm f/3.5L Tilt shift
FE 4/24-70 ZA OSS	FE 70-300mm f/4.5-5.6 G OSS	RF24-105mm f/4.1-7.1 IS STM	EF 35mm f/1.4L II USM
Planar T* FE 50mm f/1.4 ZA	FE 30-300mm f/4.5-5.6 G OSS	EF-S 18-135mm f/3.5-6.3 IS	EF 17-40mm f/4L USM
E PZ 18-105mm f/4 G OSS	FE 50mm F2.8 MACRO	EF-S 18-135mm f/3.5-5.6 IS STM	EF 70-200mm f/4L IS II USM
	FE 20mm F1.8 20G	EF-S 18-200mm f/3.5-5.6 IS	


 **Note:** It cannot use with mirrorless lens > 88mm, or the cinema lens > 85mm.

Table listing compatible Sony and Canon lenses.

For Panasonic	For Fujifilm	For SIGMA	For Nikon
for Lumix S 24-105mm f / 4 Macro OIS	Xf 16-55mm f / 2.8 R LM WR	for SIGMA 50mm f/1.4 Art	Af-S 20mm f/1.8G
for Lumix S PRO 70-200mm f / 4 OIS	80mm f / 2.8 R LM OIS WR Macro	for SIGMA 24mm f/1.4 Art	Af-S 85mm f/1.8g
for Leica DG 100-400mm f / 4-6.3 ASPH POWER OIS	Gf 45mm f / 2.8R	70mm f/2.8 DG Macro Art	Af-S 24MM f/1.8G ED
for LEICA DG Vario-Elmarit 50-200mm f / 2.8-4 ASPH Power OIS	Gf 63mm f / 2.8 R WR	35mm f/1.4 DG HSM Art	NIKKOR Z 24-70mm f/2.8 S
for Lumix H-NS 42.5mm f / 1.2	Super EBC Xf 55-200mm f /3.5-4.8 R LM OIS	for SIGMA 18-35 f1.8	
for LEICA DG Vario-Elmarit 12-60mm f / 2.8-4 Power OIS	Xf 16mm f / 1.4R WR	FE24-70 f2.8 DG DN	<b>For ZEISS</b>
	Xf 56mm f / 1.2R	for SIGMA 16mm f1.4 DC DN	Milvus 25mm f/1.4
	Super EBC Xf 23mm f / 1.4R	<b>For OLYMPUS</b>	Milvus 35mm f/2
	Xf 90mm f / 2.0 R LM WR	for OLYMPUS M.Zuiko Digital ED 12-100mm f / 4 IS Pro	Milvus 50mm f/1.4
		for OLYMPUS M.Zuiko Digital ED 25mm f / 1.2 Pro	Milvus 85mm f/1.4
			Milvus21mm f/2.8


 **Note:** It cannot use with mirrorless lens > 88mm, or the cinema lens > 85mm.

Table listing compatible Panasonic, Fujifilm, Sigma, Nikon, Olympus, and Zeiss lenses.

## SETUP INSTRUCTIONS

- 1. Prepare Your Lens:** Before attaching the matte box, ensure that any existing UV filter is removed from the front of your camera lens.
- 2. Attach the Matte Box:** Align the matte box clamp with your lens. Press the push rods on the sides of the clamp to open it, then position it over the lens. Release the push rods to secure the clamp around the lens.
- 3. Secure the Locking Knob:** Once the matte box is clamped onto the lens, firmly tighten the top locking knob to ensure a secure, three-point lock. *Operating the matte box without this knob securely locked can lead to instability.*
- 4. Install Filters:** The CPL and VND filters feature magnetic attachment. Simply align the desired filter with the matte box slot and it will snap into place. Ensure CPL filters are installed with the product information side facing outwards.
- 5. Attach Lens Hood and Top Flag:** Slide the lens hood onto the front of the matte box. Attach the top flag to the designated slot on the lens hood. Adjust the top flag angle as needed to block unwanted light.

## OPERATING INSTRUCTIONS

## Adjusting Filters

- **CPL Filters:** Rotate the CPL filter within its magnetic mount to achieve the desired polarization effect, reducing reflections and enhancing colors.
- **VND Filters:** If using a VND combination (CPL1 with CPL2/CPL3), rotate the outer ring to adjust the variable neutral density from 2 to 5 stops. Ensure the alignment point is within the VND gear line for proper function.

## Using the Top Flag

The top flag can be adjusted to block stray light from entering the lens, preventing lens flare and ghosting. Loosen the locking screw on the side of the top flag, adjust its angle, and then re-tighten the screw to secure its position.

## MAINTENANCE

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- **Cleaning:** Use a soft, lint-free cloth to clean the matte box body. For filters, use a specialized lens cleaning solution and microfiber cloth to avoid scratches.
- **Storage:** When not in use, store the matte box and filters in their protective caps and dust covers in a dry, clean environment to prevent dust accumulation and damage.
- **Inspection:** Regularly inspect all components for any signs of wear or damage. Ensure all screws and locking mechanisms are functioning correctly.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Matte box not securely attached.	Top locking knob not tightened; clamp not fully engaged.	Ensure the top locking knob is fully tightened and the clamp is properly seated on the lens.
Vignetting in images.	Focal length too wide (less than 16mm on full-frame); incorrect filter installation.	Confirm focal length is $\geq 16$ mm. Ensure filters are correctly seated and not misaligned.
VND crosshatching effect.	VND filters not properly aligned or combined.	Ensure the alignment point for VND combination (CPL1 with CPL2/CPL3) is within the designated gear line.
Matte box cannot be installed on lens.	Lens diameter exceeds compatibility limits.	Verify that your mirrorless lens diameter is not greater than 88mm and cinema lens diameter is not greater than 85mm.

## SPECIFICATIONS

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Feature	Detail
Brand	SMALLRIG
Model Number	11703 (Kit 4411)
Adjustable Clamp Range	67mm - 82mm
Minimum Focal Length (No Vignetting)	16mm (for full-frame cameras)

Feature	Detail
Filter Type	CPL (Circular Polarizer), VND (Variable Neutral Density)
VND Adjustment Range	2-5 Stops
Filter Coating	22-layer dual-sided coating
Material	Aluminum Alloy, Nylon + Glass Fiber, Carbon Fiber, Magnet, Stainless Steel, Glass
Product Dimensions	171.0 × 153.0 × 49.0mm / 6.7 × 6.0 × 1.9in
Net Weight	379g ± 5g / 0.8 ± 0.01lb
Water Resistance Level	Not Water Resistant

## WARRANTY INFORMATION

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SmallRig products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SmallRig website or contact customer support. Keep your purchase receipt as proof of purchase.

## CUSTOMER SUPPORT

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If you encounter any issues or have questions regarding the SmallRig 4411 Matte Box CPL Filter Kit, please contact SmallRig customer support through their official website or the retailer where you purchased the product. Our support team is available to assist you with technical inquiries, troubleshooting, and warranty claims.

