

## SMALLRIG 3680-SR

# SmallRig Mini Matte Box Pro Flag Kit (Model 3680-SR) Instruction Manual

## 1. PRODUCT OVERVIEW

The SmallRig Mini Matte Box Pro Flag Kit (Model 3680-SR) is a modular anti-glare system designed to enhance your camera's image quality by blocking stray light and accommodating various filters. It features a lightweight carbon fiber design, quick-release filter frames, and adjustable flags for precise light control. This kit is compatible with a wide range of cinema and mirrorless lenses, offering versatility for professional videography and filmmaking.

## 2. WHAT'S IN THE BOX

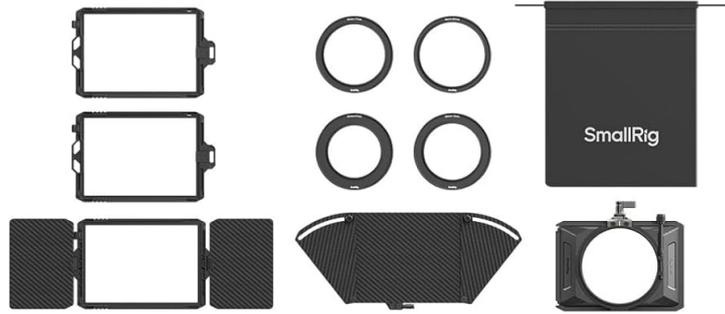
Verify that all components are present in your package:

- Mini Matte Box Pro x 1
- Side Flag x 1
- Top Flag x 1
- $\Phi 67 / 72 / 77 / 82-95\text{mm}$  Adapter Ring x 1
- Filter Tray (4 x 5.65") x 2
- Storage Bag x 1
- Instruction Manual x 1

# Package

ID: 3680B

Mini Matte Box Pro × 1  
Side Flag × 1  
Top Flag × 1  
Φ67 / 72 / 77 / 82-95mm  
Adapter Ring × 1  
Filter Tray (4 × 5.65") × 2  
Storage Bag × 1  
Operating Instruction × 1



## Specifications

### Product Dimensions

167.0 × 137.0 × 54.0mm  
6.6 × 5.4 × 2.1in

### Product Weight

368.0g ± 5.0g / 13.0 ± 0.2oz

### Material(s)

PC, Fiberglass, Carbon Fiber

### Package Dimensions

235.0 × 145.0 × 100.0mm  
9.3 × 5.7 × 3.9in

### Package Weight

568.0g ± 5.0g / 20.0 ± 0.2oz

Image: All components included in the SmallRig Mini Matte Box Pro Flag Kit, including the matte box, flags, adapter rings, filter trays, storage bag, and instruction manual.

## 3. SETUP GUIDE

### 3.1 Attaching Adapter Rings

Select the appropriate adapter ring (Φ67/72/77/82-95mm) that matches your lens's filter thread size. Screw the adapter ring onto the front of your camera lens until secure. The matte box will then attach to this adapter ring.

## ▶ Wide Lens Compatibility ◀

Includes four adapter rings for compatibility with both cinema lenses and mirrorless camera lenses



Φ82-95mm



Φ77-95mm



Φ72-95mm



Φ67-95mm



Cinema lenses with a 95mm outer diameter

Mirrorless lenses (filter sizes: Φ67, 72, 77, 82mm)



**Note**

Incompatible with 95mm threaded mirrorless lenses

Image: Illustration of the adapter rings (Φ67-95mm, Φ72-95mm, Φ77-95mm, Φ82-95mm) and their application for both cinema lenses with a 95mm outer diameter and mirrorless lenses with filter sizes Φ67, 72, 77, 82mm. Note: Incompatible with 95mm threaded mirrorless lenses.

### 3.2 Mounting the Matte Box

Align the matte box with the installed adapter ring on your lens. Gently push the matte box onto the adapter ring until it clicks into place. Ensure it is firmly seated to prevent movement during operation.

## ► Multi-Angle Anti-Glare Protection ◀

Blocks harsh sunlight and backlight flare for pristine image quality



Image: The SmallRig Mini Matte Box Pro attached to a camera setup, illustrating its multi-angle anti-glare protection. The image shows a comparison of a scene with and without glare, highlighting the matte box's effectiveness.

### 3.3 Installing Filter Trays

The kit includes two 4 x 5.65" filter trays. To install, slide your desired square filters into the trays. Then, slide the loaded filter trays into the designated slots on the matte box. The quick-release design allows for fast filter changes.

## ► Dual 4 x 5.65" Filter Trays ◀

Holds multiple stacked filters at once



**Note**

Top flag cannot fully close when using dual filter trays or filter tray with side flag

Image: Detailed view of the dual 4 x 5.65" filter trays, demonstrating the instant slide-in design for ultra-fast filter swaps. The image shows how multiple stacked filters can be held at once.

### 3.4 Attaching and Adjusting Flags

Attach the top flag and side flags to their respective mounting points on the matte box. These flags are adjustable (0-180° for top and side flags, up to 40° for side flags when fully open) to block stray light from various angles. Position them to effectively eliminate lens flares without obstructing the lens's field of view.

## ▶ Ultra-Wide Light Blocking ◀



Image: Diagrams illustrating the ultra-wide light blocking capabilities, showing the top flag and side flags adjustable from 0-180 degrees. A note indicates that the top flag cannot fully close when using dual filter trays or a filter tray with a side flag.

## 4. OPERATING INSTRUCTIONS

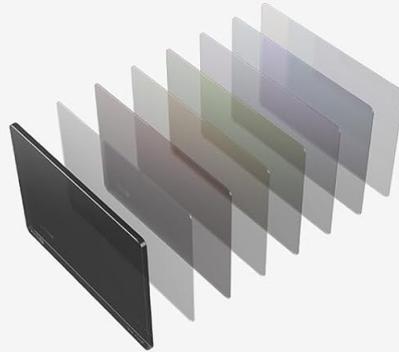
### 4.1 Filter Management

The matte box supports two 4 x 5.65" square filters (4mm thick) simultaneously. It also accommodates circular filters up to  $\Phi 92.5$ mm in diameter when used with the appropriate adapter ring. The quick-release mechanism allows for rapid insertion and removal of filter trays, facilitating efficient workflow during shoots.

## ► Fits Circular & Square Filters ◄



Circular Filters:  
 $\varnothing 67 / 72 / 77 / 82\text{mm}$  ( $< \varnothing 92.5\text{mm}$ )



Square Filters:  
4 x 5.65" (4mm Thick)

Image: Visual representation of the matte box's compatibility with circular filters ( $\varnothing 67/72/77/82\text{mm}$ ,  $< \varnothing 92.5\text{mm}$ ) and square filters (4 x 5.65", 4mm thick).

### 4.2 Anti-Glare Adjustment

Adjust the top and side flags as needed to block unwanted light sources. For optimal performance, position the flags just outside the camera's field of view to prevent vignetting while maximizing glare reduction. The carbon fiber construction ensures lightweight handling and durability.

## ▶ 16mm Vignetting-Free ◀ Performance

Ensures even brightness with  
no dark corners at 16mm focal length



Image: A visual comparison showing the 16mm vignetting-free performance of the matte box, ensuring even brightness without dark corners at wide focal lengths.

### 4.3 Video Demonstration

Your browser does not support the video tag.

Video: An official product video demonstrating the features and operation of the SmallRig Mini Matte Box Pro Flag Kit, including assembly and use of flags and filter trays.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the matte box and flags. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.
- **Filter Care:** Handle filters by their edges to avoid fingerprints. Use a lens cleaning solution and microfiber cloth specifically designed for optical surfaces.
- **Storage:** Store the matte box and its components in the provided storage bag or a protective case when not in use to prevent dust accumulation and scratches.
- **Inspection:** Periodically check all screws and connections to ensure they are secure.

## 6. TROUBLESHOOTING

- **Difficulty Inserting Filter Trays:** Ensure filters are correctly seated within the trays and that the trays are aligned with the matte box slots. Apply gentle, even pressure. Avoid forcing the trays.
- **Vignetting (Dark Corners):**
  - Check that the flags are not extended too far into the lens's field of view.
  - Ensure the matte box is correctly mounted and not misaligned.
  - Verify that the lens focal length is compatible with the matte box's design (e.g., 16mm vignetting-free performance is specified).
- **Matte Box Feels Loose:** Ensure the matte box is fully pushed onto the adapter ring and that the adapter ring is securely tightened to the lens.

## 7. SPECIFICATIONS

<b>Model Number</b>	3680-SR
<b>Product Dimensions</b>	3.15 x 3.15 x 3.94 inches (80 x 80 x 100 mm)
<b>Item Weight</b>	13 ounces (368 Grams)
<b>Material</b>	PC, Fiberglass, Carbon Fiber
<b>Compatible Square Filters</b>	4 x 5.65" (4mm thick)
<b>Compatible Circular Filters</b>	Max outer diameter <math>\Phi 92.5\text{mm}</math> (with adapter rings)
<b>Adapter Ring Sizes</b>	$\Phi 67, 72, 77, 82-95\text{mm}$
<b>Lens Compatibility</b>	95mm cinema lenses (not 95mm threaded mirrorless lenses), Standard mirrorless lenses with filter sizes $\Phi 52-\Phi 86\text{mm}$ (via adapter rings)

## 8. WARRANTY AND SUPPORT

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

**Manufacturer:** SmallRig

**Date First Available:** January 13, 2022