

# **Vivitar.**

## **FK-1**

### **Flash Filter Kit**



### **Owner's Manual**

Instructions for

---

**VIVITAR**

**FK-1**

**Flash Filter Kit**

---

The Vivitar Flash Filter Kit is a tool for expanding your range of creative alternatives. It consists of six filters which enable you to vary the color or intensity of flash illumination.

Applications include use in color photography as a mainlight for an overall cast or as fill-in to create colored highlights. In black-and-white photography, filtered flash can be used to alter contrast and tonal values.

The following information is provided as a guide only. Specific data may vary as you adapt filtered flash to your creative style.

## **Directions for Use**

Your Vivitar FK-1 flash filters are designed for use on Vivitar Electronic Flash Units which either have a built-in Lens/Filter Slot or accept the optional Lens/Filter Adapter accessory.

For models with built-in filter slots, insert the filter (with tab at bottom) into the slot and snap in place.

For models requiring the Vivitar Filter Adapter, attach the adapter to the flash head, insert the filter, tab downwards, into the slot and snap in place.

Although you can use the Flash Filter Kit with your flash in the automatic mode, *experimentation is required*. Several variables will affect exposure, requiring modifications in the auto ranges and aperture settings. Instead, we recommend using the filter kit with your flash in the *manual* mode.

The following table provides you with descriptions of the filter effects and indicates the aperture changes needed to compensate for the filter's light absorption.

---

<b>Filter</b>	<b>General Effect</b>	<b>Increase Lens Opening By:</b>
ND4	Uniformly reduces amount of light without changing color rendition. Especially useful for close-ups.	2 f-stops
85B	A warming filter which converts flash illumination for use with Type B (tungsten) color film. No change in ASA film speed.	(No compensation required)
UV	Reduces ultra-violet radiation. No effect on color balance.	(No compensation required)
Red	Produces red-colored flash illumination.	2 f-stops
Blue	Produces blue-colored flash illumination.	2 f-stops
Yellow	Produces yellow-colored flash illumination	(No compensation required)

Since the yellow, red and blue filters are intended primarily for creating special effects, the above factors should be considered as a starting point for experimentation by the user. Underexposure will produce a darker color effect, while overexposure will produce a lighter color effect.

### **Taking Care of Your Flash Filters**

- 1) Always store the filters in their separate sleeves in the handy pocket case to prevent loss or damage.
- 2) Direct sunlight may degrade the filters' color pigments and excessive heat may warp them. Keep them in a cool, dark place.
- 3) When dirty, wash them with warm water and a mild soap, rinsing thoroughly and drying with a soft cloth.



Vivitar Corporation  
Santa Monica, CA 90406 USA

Subsidiaries

Vivitar Japan Ltd.: Tokyo, Japan  
Vivitar Photo-Elektronik GmbH: Bad Soden, FRG  
Vivitar Canada Ltd.: Mississauga, Canada  
Vivitar France S.A.: Rungis, France  
Vivitar U.K. Ltd.: Abingdon, Oxon, England  
Vivitar Europe Inc.: Mijdrecht, Netherlands

10/78 Printed in Japan  
3000431

Dedicated to the late Harry Dixon  
and with grateful thanks  
to his family for providing the original