

# WILSONWERKS ARCHIVES

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**Vivitar**®

Printed in Japan

**Vivitar**  
**ELECTRONIC FLASH**  
**Instructions**

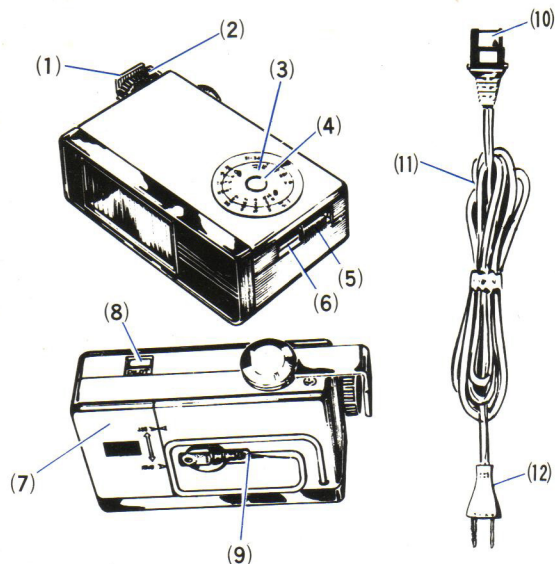


Dear Camera Owner:

We want to thank you for selecting this product and to welcome you to the growing family of satisfied **Vivitar** product owners around the world. We feel certain you will get maximum enjoyment from this new addition to your photographic accessories. Please read these operating instructions carefully, and be sure to keep them handy for your convenient reference.

Vivitar Corporation

## ● NOMENCLATURE



- |                        |                               |
|------------------------|-------------------------------|
| (1) Mounting shoe      | (7) Battery compartment cover |
| (2) Shoe Lock not      | (8) Ready light               |
| (3) Exposure dial      | (9) Synchro-cord              |
| (4) Open flash button  | (10) AC plug to flash unit    |
| (5) ON / OFF Switch    | (11) AC cord                  |
| (6) AC cord receptacle | (12) AC plug to wall outlet   |

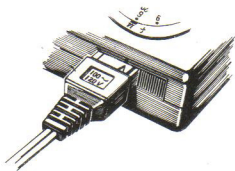
## ● IMPORTANT

All instructions and specifications in this book, as well as the **Vivitar** 2 Year Guarantee, are based on the unit being used on 110 Volts AC, or two Alkaline Penlight AA 1.5V Batteries. The use of other sources for power supply may result in poor performance on the part of the unit.

## ● PREPARING THE VIVITAR ELECTRONIC FLASH FOR USE

Before attempting to use the **Vivitar ELECTRONIC FLASH** on battery for the first time, the capacitor in the unit must be "formed".

Push the On-Off Switch (5) to the "Off" position exposing the AC receptacle on the Electronic Flash. Insert the smaller end of the AC cord (10) into the AC cord receptacle (6), and plug the other end (12) into a 110 volt wall outlet.



(2)

Leave the unit plugged into an AC outlet for four to five hours, the time necessary to fully rejuvenate the capacitor.

After the unit has been plugged in for almost two hours, but before the five hours are up flash the unit four to five times by depressing the open flash button once for each flash, allowing enough time between flashes for the ready light to glow. This flashing procedure "forms" the capacitor and assures maximum output when the unit is put into use.

In addition, whenever the unit has been out of use for even a few days, plug the unit into a wall outlet for at least five minutes in order to help preserve the life of the batteries being used.

## ● AC OPERATION

By using the AC cord with the **Vivitar 150 ELECTRONIC FLASH**, you are able to Flash the unit directly from household current.

This is very useful if the batteries have been discharged. The On-Off Switch (5) must be in the "Off" position. Plug the AC cord into the unit, then into the wall outlet. When the ready light glows, the unit is ready for use.

(3)



## ● BATTERY OPERATION

The **Vivitar 150 ELECTRONIC FLASH** is designed for use with two Penlight AA 1.5V Batteries, Alkaline Manganese Type or equivalent.

### BATTERY LOADING

1. Slide the battery case cover (7) until the "open" position is directly opposite the arrow on the main body. Then remove the cover by lifting directly upward.

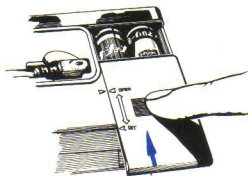
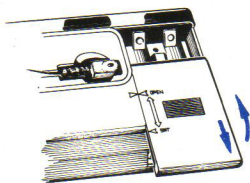
2. Insert two 1.5V Penlight Batteries in the compartment, noting correct polarity.

3. To replace cover, set the "open" position directly opposite the arrow on the main body, and slide the cover forward until the arrow on the body is directly opposite the "set" position.

The unit is now ready for use.

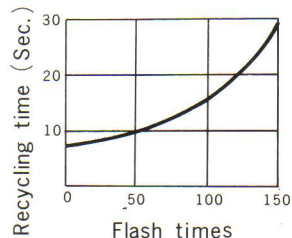
4. Place switch (#5) to the "On" position. As soon as the ready light glows, the unit is ready to be flashed.

Be sure to switch the unit to the "Off" position immediately after shooting, in order to preserve battery life as long as possible.



Whenever fresh batteries are placed in the unit, the flash recycling time should be approximately eight seconds, however the recycle time becomes longer as the batteries are being used.

The graph below shows the relationship between the number of flashes and recycle time.



### ● WARNING

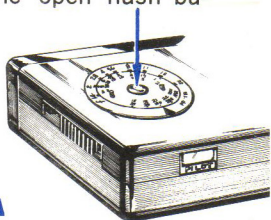
The **Vivitar 150 ELECTRONIC FLASH** designed for use only with high quality Penlight Type AA 1.5V Batteries. If the instructions included in this booklet are followed correctly, you should have absolutely no problem using the unit. Under no circumstances should you use an inferior or bargain-type battery in this unit, as they may cause damage to the unit by leaking into the circuit. Such damage is not covered by the **Vivitar Two Year Guarantee**.

### ● CHANGING BATTERIES

The batteries should be replaced when the recycling time exceeds thirty seconds, or when no sound can be heard in the unit during battery operation.

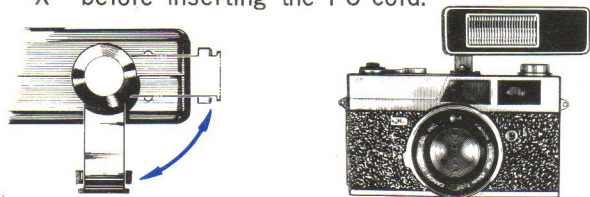
## ● OPEN FLASH

To use the **Vivitar 150 ELECTRONIC FLASH** as an open flash unit, place the On/Off Switch (5) in the "On" position. When the ready light glows, open the shutter (see camera instructions for "B" operation), and press the open flash button (4) to activate the flash. Close the shutter immediately. The Open flash button may also be used to test the flash unit.



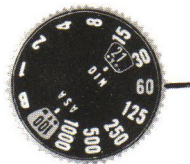
## ● ATTACHING TO THE CAMERA

The unit can be mounted on the camera in either a vertical or horizontal position, by rotating the shoe 90° in either direction. Insert the shoe (1) into the accessory clip of your camera. Then tighten the shoe lock nut (2) to the camera clip in order to insure a secure fit. Plug the synchro cord terminal (6) into the X-Contact of the camera. If your camera has a lever to change the synchronization, switch to "X" before inserting the PC cord.



## ● SHUTTER SPEED

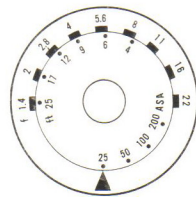
Cameras with between-the-lens shutters should be set 1/100th of a second. For cameras with focal plane shutters, see the camera instruction book. The shutter speed normally used with electronic flash on cameras of this type is 1/30th to 1/60th of a second or a special "X" setting on the shutter speed dial.



## ● DETERMINING THE LENS APERTURE

Focus the camera in the normal manner, noting the distance of the camera to the subject. Set the inner ring of the exposure dial (3) so that the triangular pointer is opposite the ASA number of the film being used. The correct aperture will then appear opposite the footage marking, which represents the distance from the electronic flash unit to the subject.

EXAMPLE: The exposure dial is shown set for ASA 25 film. If the distance from the electronic flash to the subject is nine feet, the exposure dial will indicate that an aperture of 4 should be used.



## ● MODEL 150

Guide Number: (kodachrome II ASA 25) 30  
BCPS: 700  
Flash Duration: 1/1000 of a second (approx.)  
Angle of Illumination: 60°  
Flash Capacity: 150 with 2 alkaline batteries  
(approx.)  
Recycle Time: 8-10 sec. on batteries, 5 sec.  
on AC (approx.)  
Mounting: Horizontal and vertical  
Power: A.C. or 2 penlight batteries  
Size: 3<sup>5</sup>/<sub>8</sub> X 2<sup>1</sup>/<sub>4</sub> X 1<sup>1</sup>/<sub>8</sub> inches

Supplied with Eveready Case

## ● HELPFUL HINTS

- A. Batteries: Please remove batteries from unit after each shooting session before storage in order to prevent accidental battery leaking from damaging your equipment. Such damage is not covered by the Vivitar guarantee.
- B. Color Correction Filters: If your color photographs taken with the speedlight should have a bluish cast it is recommended that an 8IB color correction filter be used.
- C. Before storing the unit for any period of time, please switch it on until the ready light glows, then switch the unit off.  
Do not flash the unit but place in storage with ready light illuminated.  
This method will enable the main capacitor to stay in excellent condition thereby assuring fast recycling time as well as long life.