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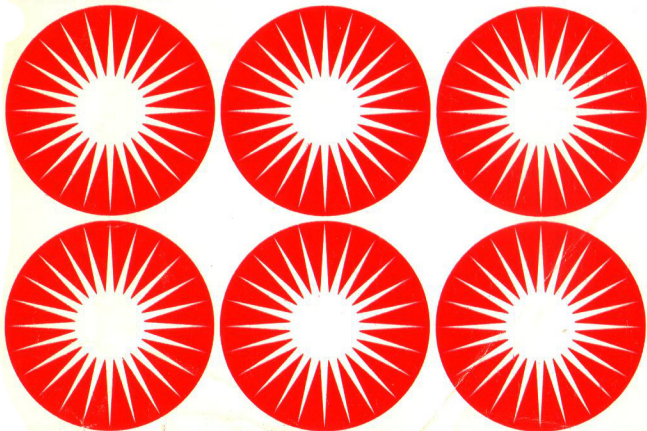
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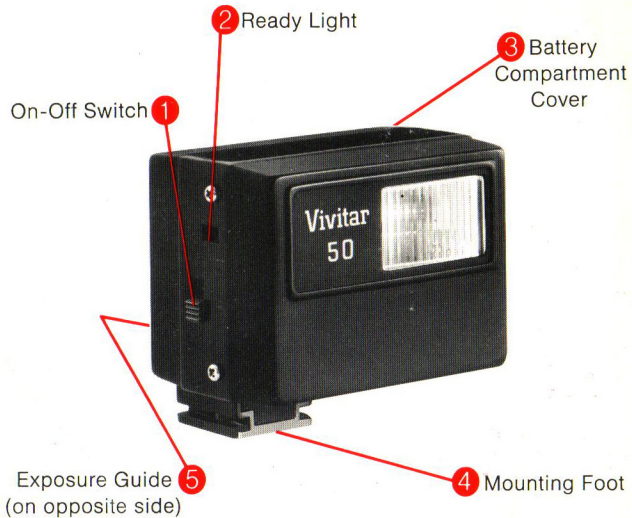
Vivitar®

electronic flash

Model 50

Owner's Manual





CONGRATULATIONS AND WELCOME . . . to the ever-increasing number of photographers now enjoying Vivitar electronic flash. We thank you for selecting this product and we wish you many years of picture-taking enjoyment.

Inserting the battery

- 1** — Remove the Battery Compartment Cover (3) by sliding it up and away from the body of the unit.
- 2** — Insert a 6V alkaline battery (Mallory 7K67 or equivalent) observing correct battery polarity as shown inside the battery compartment.
- 3** — Replace cover, aligning the edges of the cover with the slots in the body of the flash unit.

NOTE: The battery should be replaced when the Ready Light fails to glow after 30 seconds, or when no sound can be heard when the unit is switched on.

Attaching the flash to the camera

Insert the Mounting Foot (4) into the accessory hot shoe on the camera. The flash is fully synchronized to the camera through the contacts in the shoe.

Taking the picture

1 — Set your camera to the correct shutter speed for electronic flash. (Refer to your camera instructions)

2 — Focus your camera and estimate the distance from the flash to the subject. You can usually do this 'by eye' or, after focusing you can refer to the distance indicated on the camera lens barrel.

3 — You can determine the correct lens f-stop setting using either the Exposure Guide on the back of the flash unit or the standard formula shown below.

a) Using the Exposure Guide — Find the flash-to-subject distance in the left hand column. Now find the speed of the film you are using on the top row. (The film speed can be found on the film box, cartridge, or on the data sheet that comes packed with the film.) Where these two columns intersect you will find an f-stop setting. Set this f-stop on your camera lens.

EXAMPLE: Using ASA 25 film at a flash-to-subject distance of 10 feet, set your lens to f2.

b) Using the Standard Formula — If your film speed or flash-to-subject distance is not on the Exposure Guide, divide the *flash guide number* for the film you are using by the *flash-to-subject distance*. (The proper flash guide numbers for most popular film speeds are listed in the Specifications.) Round off this figure to the closest f-stop and set this f-stop on your camera lens.

For example, if the answer comes out to 5.7, set your lens to f5.6.

4 — Slide the On-Off Switch ① to the RED ('ON') position. Check the camera focus. Take the picture after the Ready Light ② glows.

Cameras with built-in automatic flash control

Many new cameras have a feature which automatically sets the correct lens f-stop for flash as you focus. For the camera and Vivitar 50 to operate properly together you must set the correct flash guide number on the Guide Number Scale of your camera (refer to your camera instructions for the location and setting of the Guide Number Control). The proper flash guide numbers for most popular film speeds are indicated in the Specifications.

After you've finished shooting

Battery — If you're not going to use your flash unit for more than two weeks it is recommended you remove the battery.

Let it glow! — Do not flash your unit before putting it away. Just turn it off. It's better to leave the Ready Light glowing.

Specifications

Guide Numbers (ASA-feet)

ASA film speed	25	50	64	80	100	125	160	200	400	800
Flash Guide No.	22	31	35	39	45	50	56	62	87	138

Guide Numbers (DIN-meters)

DIN film speed	15	18	19	20	21	22	23	24	27	30
Flash Guide No.	7	10	11	13	14	16	18	20	28	40

BCPS (Beam Candle Power Seconds): 387

Recycle Time: 4 seconds (Based on fresh battery. Recycling takes longer as the battery drains.)

Flash Duration: 1/2,000 second

Color Temperature: 5500° K

Angles of Illumination: 45° vertical, 55° horizontal

Power Source: One 6V alkaline battery (Mallory 7K67 or equivalent), (not included)

Flashes per battery: 200 (average)

*Camera/Electronic Flash Synchronization Connection:
Hot Shoe*

Weight w/o battery: 2¾ oz., (78 g)

Dimensions: 1.60" x 2.25" x 1.75" (41.9 mm x 57.2 mm x 35.6 mm) (less the mounting foot)

Accessories Available: Vivitar Remote Flash Triggers

For these ASA (DIN) film speeds, use the indicated columns on the Exposure Guide:

	20 (14)	40 (17)	80 (20)	160 (23)	320 (26)
	25 (15)	50 (18)	100 (21)	200 (24)	400 (27)
	32 (16)	64 (19)	125 (22)	250 (25)	500 (28)
ASA	25	50	100	200	400
DIN	15	18	21	24	27

Specifications subject to change without notice

Warranty and Service

Your purchase of this new **Vivitar Model 50 Electronic Flash** is an expression of your confidence in the quality products from **Vivitar***. Our pledge of support to you is expressed in the statement of warranty and the service information listed below.

PARTS AND LABOR WARRANTY

For **Two Years** from the date of original purchase, Ponder & Best, Inc. and/or its subsidiary corporations warrants that any part which because of manufacturing defects or workmanship fails to function properly under normal use will be repaired or replaced at Ponder & Best, Inc.'s option without charge for parts and labor, if delivered transportation prepaid to an **authorized Ponder & Best, Inc. Service Center**, accompanied with an Owner's Purchase Record Card and/or evidence of date and place of purchase.

The sole and exclusive remedy under all guarantees or warranties, expressed or implied, is strictly limited to repair or replacement as herein provided and neither Ponder & Best, Inc. nor its subsidiary corporations shall be liable for consequential damages, damages from delay or loss of use of equipment or for damaged film.

SERVICE

Should your product require service, please package it carefully using ample padding material to prevent damage in transit and send it **prepaid and insured** to an authorized Ponder & Best, Inc. Service Center listed in the **Vivitar Authorized Distributors and International Service Centers** Folder. In your package, please include the following:

1. A dated Owner's Purchase Record Card and/or evidence of date and place of purchase.
2. A detailed description of the problem.
3. Sample films, if they relate to the problem.

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