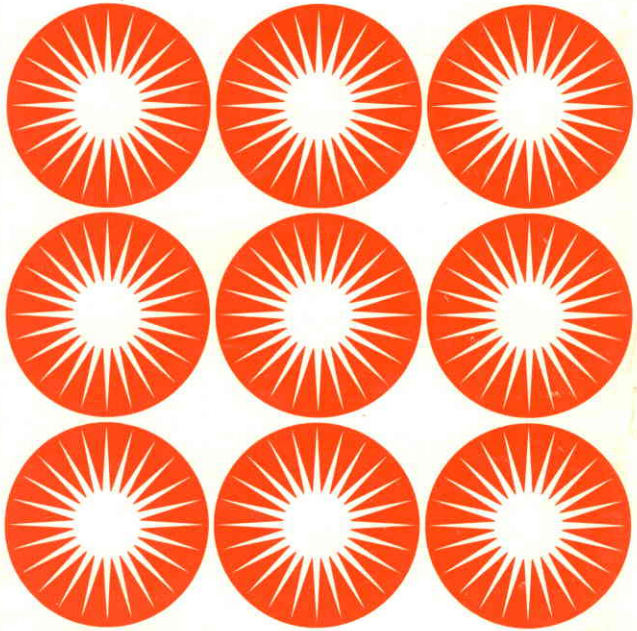
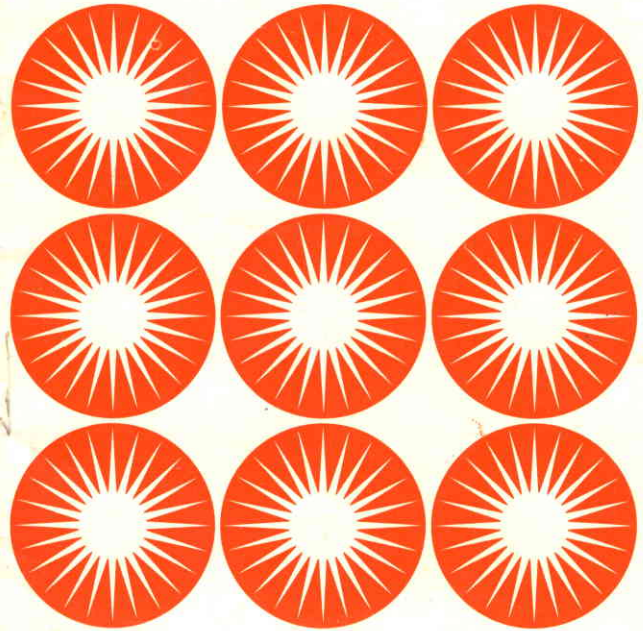
Vivitar®

6/77 Printed in Korea Part No. 3000252
Gedruckt in Korea Bestellnr. 3000252
Imprimé au Corée No.de pièce 3000252
Impreso en el Corea Pieza No. 3000252



Vivitar® 252

Owner's Manual
Gebrauchsanleitung
Manuel du propriétaire
Manual del propietario



Fold out this flap —

Also, fold out the back cover flap. The illustrations on both flaps will help you follow the instructions as you read this Owner's Manual. English language instructions begin on inside front cover.

Klappen Sie diese Seite nach außen aus —

. . . und lassen Sie sie ausgeklappt, wenn Sie die Gebrauchsanleitung lesen. Tun Sie das gleiche auch mit der letzten Seite. So haben Sie es leichter, sich an den Abbildungen zu orientieren, auf die en den verschiedenen Kapiteln der Anleitung hingewiesen wird. Der Teil in deutscher Sprache beginnt auf Seite 13.

Dépliez ce rabat —

Dépliez également le rabat au dos de la couverture. Les illustrations figurant sur les deux rabats vous aideront à vous conformer aux instructions du Mode d' Emploi. Les instructions en langue française débutent à la page 24.

Abra este alerón —

Abra también el alerón de la cubierta trasera. Las ilustraciones en ambos alerones le servirán de ayuda para seguir las instrucciones a medida que va leyendo este Manual del proprietario. Lase instrucciones en lengua española empiezan en la página 36.

Description of Controls

1. Sensor
2. Auto/Manual Control Switch
3. PC Synchronization Cord
4. PC Terminal & Storage Compartment
5. Mounting Foot
6. Battery Compartment Cover
7. Calculator Dial Illumination Button
8. Calculator Dial
9. Ready Light/Open Flash Button
10. AC Cord/Charger Receptacle
11. On-Off Switch
12. Mounting Foot Locking Lever

(AC Cord sold with Vivitar Model 252 in some countries)

13. AC Cord
14. AC Voltage Selector

Before you begin . . .

About Your Flash

Your new Vivitar automatic electronic flash provides you with the most convenient and economical way to take flash pictures. With its incredibly fast speed (1/1000 to 1/30,000 of a second), you can "freeze" action, allowing you to capture events on film as they are really happening. No fuss, no figuring, your new Vivitar flash is the accurate, reliable way to great flash pictures . . . "automatically."

Getting Acquainted

. . . *Carefully study this Owner's Manual.* Keep it with the flash for a guide when questions arise.

. . . *Familiarize yourself with your flash.* Check over the Calculator Dial and controls.

. . . *Shoot a roll of film.* Experiment. Make some tests. Find out how to use your flash most effectively.

On-line camera manual library

This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

If you find this manual useful, how about a donation of $3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you $7.50 for a electronic copy or $18.00 for a hard to read Xerox copy.

This will allow me to continue to buy new manuals and pay their shipping costs. It'll make you feel better, won't it?
If you use Pay Pal or wish to use your credit card, click on the secure site on my main page.

Donate: www.PayPal.me/butkus venmo: @mike-butkus-camera Ph. 2083

IMPORTANT SAFEGUARDS

Always follow these basic safety precautions when using your electronic flash:

1. Read and understand all Owner's Manual instructions.
2. Never leave your flash near children. If a child uses your flash, close supervision is necessary.
3. If your flash has been dropped or damaged, do not operate it until it has been examined by a qualified serviceman.
4. Do not disassemble your flash. If incorrectly reassembled, there is a danger of electrical shock. Always take your flash to a qualified serviceman when service or repair work is required.
5. Never immerse you flash in water or other liquids. Electrical shock can result.

Additional Safeguards For Models Sold With Multiple Voltage AC Cords

1. Do not operate your flash with a damaged cord.
2. Keep cord away from hot surfaces.
3. Arrange cord so it cannot be tripped over or accidentally pulled from its electrical outlet.
4. Always unplug cord when not in use. Never yank from outlet. Grasp and pull to disconnect.
5. If you need to use an extension cord, be sure to use one which has a higher rating than the flash. Cords rated for less amperage can overheat.

SAVE THESE INSTRUCTIONS

Power Sources

Your flash operates on two 1.5 volt AA alkaline batteries as a standard power source. In some countries, the Model 252 is sold with a Vivitar Multiple Voltage AC Cord, enabling you to use electrical outlets as an alternate source of power.

If you'll be using your flash a lot, you should consider two optional accessories: rechargeable Vivitar NiCad Battery Packs, and the Vivitar Multiple Voltage Charger. They may be more economical for you than alkaline batteries in the long run. Check with your local dealer for availability.

Alkaline Batteries

To prepare your flash for battery operation —

1

Insert the Batteries

(A) Slide open the Battery Compartment ⑥ . (See photo "A").

(B) Insert two 1.5v AA alkaline batteries. (Follow the positioning diagrams inside the compartment.)

(C) Replace the cover.

There are some simple procedures to follow for getting the most out of your flash and batteries. First, always turn your unit off right after you've finished using it, and leave the Ready Light ⑨ glowing. Secondly, when storing your flash for a period of time, remove the batteries to protect against the possibility of damage from battery corrosion.

When do you replace the batteries? When the Ready Light fails to glow after 30 seconds or when you can't hear the "whining" sound after the flash is switched on.

Electrical Outlets

If your flash comes with the Vivitar Multiple Voltage AC Cord ⑬, you're all set to operate your unit off any standard 120 volt electrical outlet. Just connect the AC Cord to the flash ⑩ and plug the cord into the outlet.

If the outlet you'll be using is 220 volts, you'll need to switch the AC Voltage Selector ⑭ to the 220v position first (see photo "B"). Just remove the rubber insert from the Selector, set the switch to the 220v position, and replace the insert.

CAUTION: The AC Voltage Selector setting *must* correspond with the electrical outlet AC line voltage to prevent damage to your flash unit.

Forming the Capacitor

The capacitor is a device which stores electrical energy and discharges it to the flash tube when the triggering circuit is activated. A fully charged capacitor will store just the right amount of battery energy to produce the right amount of light. Since your flash is new, you'll need to charge ("form") the capacitor. After that, it's a good idea to "form" the capacitor once a month.

2

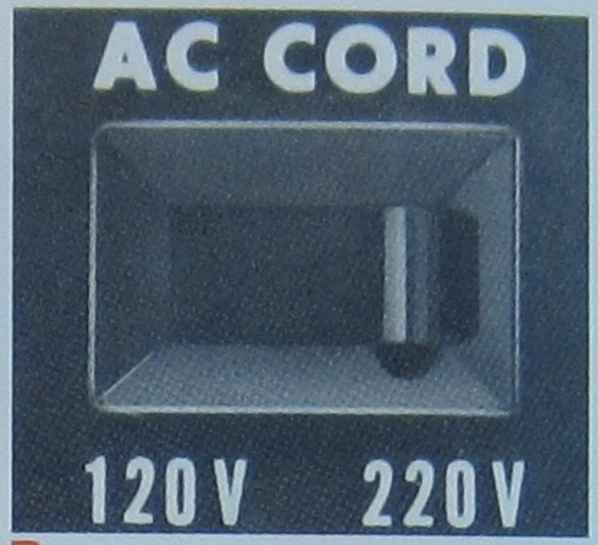
Form the Capacitor

(A) Turn your flash unit on ⑪ . (See photo "C")

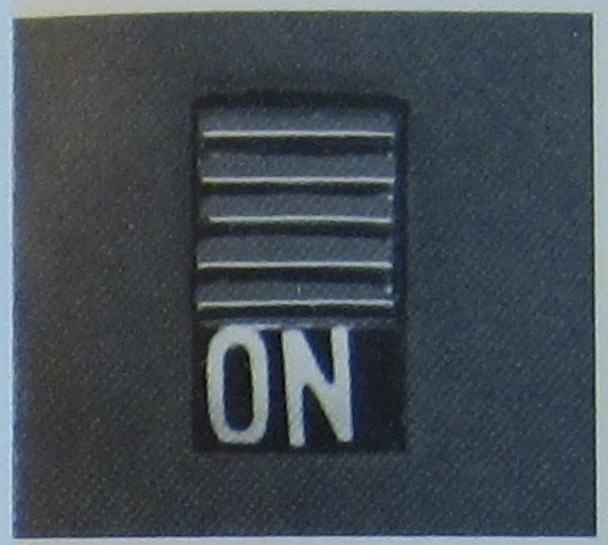
(B) Allowing the Ready Light ⑨ *to glow for about 10 seconds after each flash, fire your unit 5 times by pressing the Ready Light/Open Flash Button* ⑨ .

(C) Turn the unit off (for the time being), leaving the Ready Light glowing.

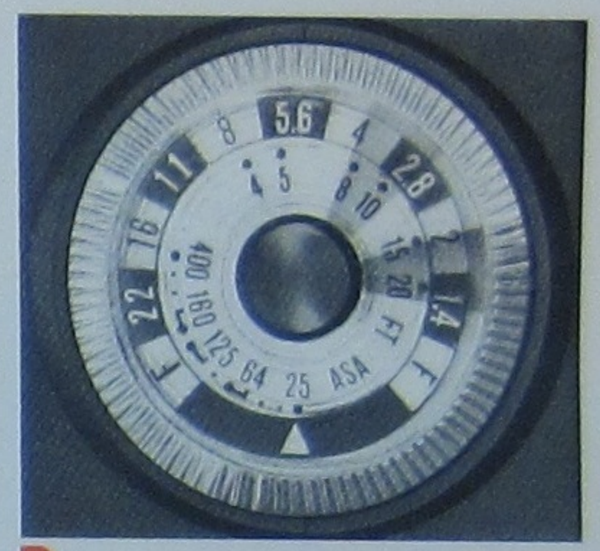
A



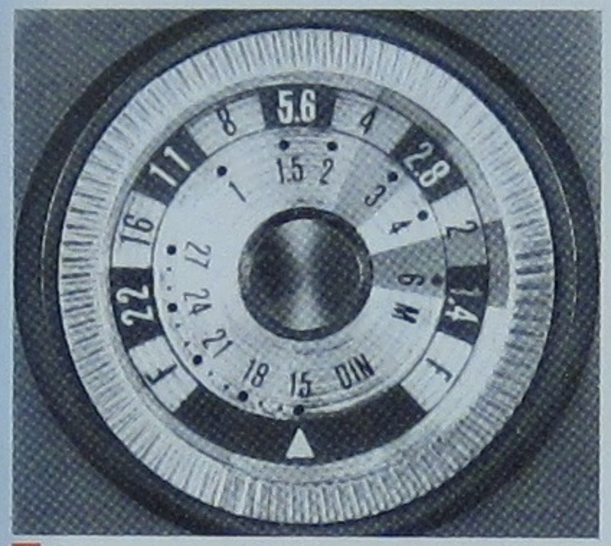
B



C

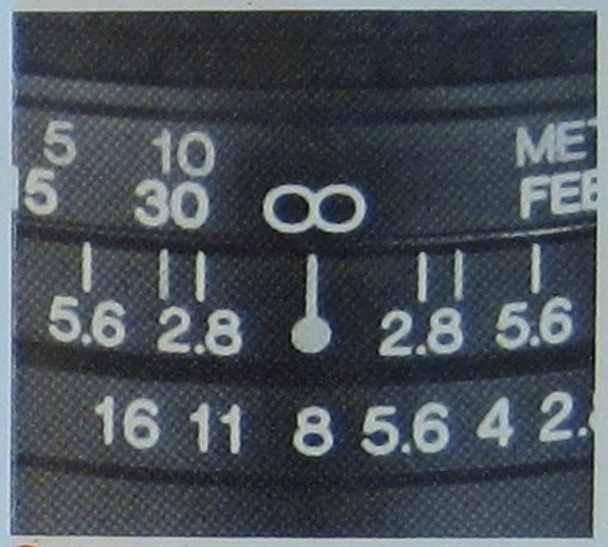


D

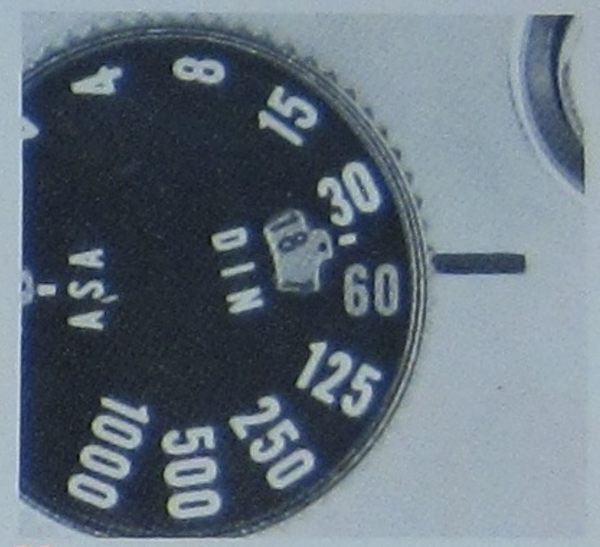


E

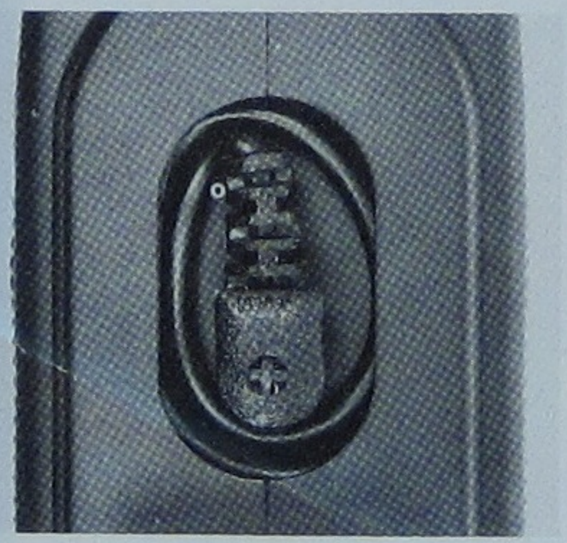
F



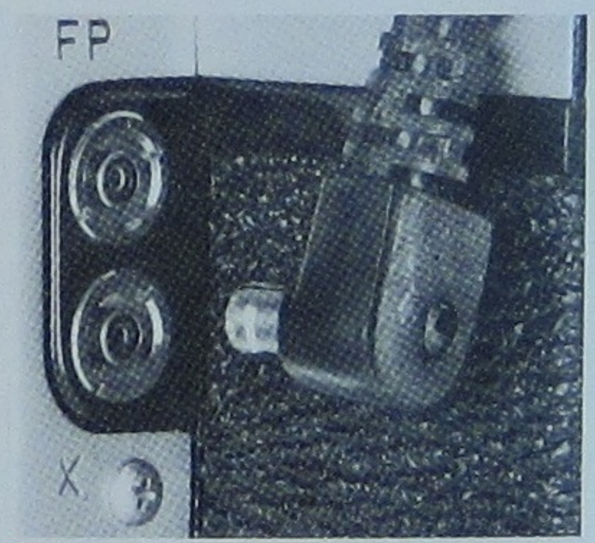
G



H



I



J

K

L

The Calculator Dial

Your flash has a handy Calculator Dial ⑧, with either ASA (see photo "D") or DIN (see photo "E") film speed markings, which enables you to quickly and easily figure correct exposures. As an added convenience, the dial lights up by pressing the Calculator Dial Illumination Button ⑦.

Automatic Operation

The Sensor

Your flash has a sensor ① (see photo "F") with a built-in computer. The sensor measures the light reflecting off the subject during the exposure. Be sure that nothing covers or obstructs it when you're shooting in the automatic modes.

Operating Modes

Your flash has two automatic operating positions: the RED mode and the BLUE mode.

- The RED mode gives you the *most depth of field* and an automatic operating range of 2 to 9 feet (0.6 to 2.7 meters). You set your camera lens to a *small f-stop* opening in this position.
- The BLUE mode gives you the *least depth of field* and the *maximum automatic operating range* — 2 to 17 feet (0.6 to 5.2 meters). You set your camera lens to a *wide f-stop* opening in this position.

3

Set the Calculator Dial

⑧ to the ASA or DIN film speed for the film you're using.

4

Select either the RED or BLUE Operating Mode

and note the corresponding f-stop. (See photo "D" or "E")

EXAMPLE: You're using ASA 64 film (DIN speed 19), and want to use the RED operating mode. The corresponding f-stop would be f5.6.

NOTE: If the color of the mode you've selected overlaps two f-stops, set your lens to the intermediate half-stop.

5

Set the Auto/Manual Control Switch

② to the color of the operating mode you've selected. (See photo "F")

6

Set your Camera Controls

(A) Set your camera lens to the f-stop which corresponds with the automatic operating mode you've selected. (See photo "G")

(B) Set your camera to the correct shutter speed for synchronization with electronic flash. (Refer to your camera instructions for the proper setting.) (See photo "H")

7

Mount your Flash

(A) If your camera has a hot shoe, plug the PC Synchronization Cord ③ into its terminal ④ (see photo "I"). *When mounted, your flash will be synchronized through contacts in the mounting foot ⑤.*

If your camera does not have a hot shoe, connect the PC Synchronization Cord ③ to your camera's "X" synch terminal (see photo "J"). *(Refer to your camera instructions for specific information regarding your camera's flash synchronization.)*

(B) Mount your flash by moving the Mounting Foot Locking Lever ⑫ clockwise until it stops (see photo "K"). *Insert the Mounting Foot ⑤ into the camera shoe and lock the flash by moving the Mounting Foot Locking Lever counterclockwise. (Always unlock lever before removing flash.)*

8

You're Ready!

Turn your flash unit on ⑪, wait for the ready light to glow, and you're all set to take flash pictures automatically without making any further settings.

Manual Operation

There are situations which may require using the "manual" operating mode "M". For example: using your flash at distances beyond the maximum automatic operating range, using a specific f-stop setting for depth of field control, or special lighting techniques like "fill-in" and multiple flash lighting.

Distances Beyond the Maximum Automatic Operating Range

What if you're using higher speed films and want to photograph at distances beyond the maximum automatic operating range of 17 feet (5.2 m)? You can figure correct exposures for these longer distances by using the formula the Calculator Dial markings are based on.

$$\frac{\text{Guide Number}}{\text{Flash-to-subject distance}} = \text{f-stop setting}$$

1 — Set the Auto/Manual Control Switch ② to the "manual" ("M") position. (See photo "L")

2 — Find the guide number for the film you're using from the table on page 11.

3 — Find the flash-to-subject distance (the easiest way is to use the focusing ring scale on the camera lens). (See photo "G")

4 — Compute the f-stop using the formula. (Round off to the nearest f-stop.)

5 — Set your camera lens.

EXAMPLE: You're using film with an ASA of 64 (DIN 19). From the table on page 11 you find that the guide number is 50 (15). The flash-to-subject distance is 25 feet (7.5 m). This divides out to 2. You would set your camera lens to f2.

Selective Depth of Field Control

Suppose you want to use your flash at an f-stop other than those indicated for automatic operation. This is especially useful when using a zoom lens because you can take advantage of variable focal lengths for "framing" the scene without changing the flash-to-subject distance and thereby altering the exposure.

1 — Set the Auto/Manual Control Switch ② to the "manual" ("M") position. (See photo "L")

2 — Set the Calculator Dial for the film you're using. (See photo "D" or "E")

3 — Find the f-stop you desire on the dial.

4 — Set your flash up at the corresponding flash-to-subject distance.

EXAMPLE: You're using ASA 64 film (DIN 19), and want to set your lens at f11. The corresponding flash-to-subject distance would be between 4 and 5 feet (1 and 1.5 m).

Final Note

Stop in and visit your Vivitar dealer. He can show you accessories for your flash, plus provide you with tips on getting started in electronic flash photography. He's there to help you.

Vivitar Model 252 Specifications

Automatic Operation

Auto f-stop settings (to closest half-stop):

Film Speed: ASA	25	64	80	100	125	160	200	400	800
DIN	15	19	20	21	22	23	24	27	30
BLUE Mode	1.8	2.8	3.5	3.5	4	5	5	8	11
RED Mode	3.5	5.6	7	7	8	10	10	15	22

Operating Ranges:

BLUE Mode — 2 ft. to 17 ft. (0.6 to 5.2 m)

RED Mode — 2 ft. to 9 ft. (0.6 to 2.7 m)

Sensor Measuring Angle: 15°

Manual Operation

Guide numbers (ASA-Feet):

ASA Film Speed	25	64	80	100	125	160	200	400	800
Flash Guide No.	32	50	60	64	72	82	92	128	185

Guide numbers (DIN-Meters):

DIN Film Speed	15	19	20	21	22	23	24	27	30
Flash Guide No.	10	15	18	20	22	25	28	40	56

Power Specifications

Power Source	Number of flashes	Average Recycle Time (in seconds)
Two 1.5v size AA alkaline batteries	160+	7
NiCad battery pack (optional)	80+	7
AC	∞	7

NOTE: Number of flashes and recycle time in auto modes are dependent on type and condition of batteries.

General Specifications

Flash Duration (approx.):
1/1000 to 1/30,000 of a second (auto)
1/1000 of a second (manual)

Angles of illumination: 55° vertical, 55° horizontal

Operating Position: Vertical

Color Temperature: 6000° Kelvin

Camera/Flash Synchronization Connections:
Hot Shoe, PC Cord

Weight (without batteries): 5¼ oz. (150 g)

Dimensions:
3½" x 1¹⁵⁄₁₆" x 3¹⁵⁄₁₆" (88.5 mm x 39 mm x 77 mm)

Accessories included: Pouch case, Multiple Voltage AC Cord (sold with Model 252 in some countries)

Accessories available: Vivitar Nickel Cadmium Battery Pack, 152/252 Multiple Voltage Charger

Specifications subject to change without notice.

Bevor Sie Ihr Gerät zur hand nehmen . . .

Einiges vorweg

Ihr neues automatisches Vivitar Blitzgerät bietet Ihnen beste Voraussetzungen für gelungene Blitzaufnahmen. Mit seiner enorm schnellen Leuchtzeit (1/1000 bis 1/30.000 Sek) kann genau der richtige Moment "eingefroren" werden. Ohne Manipulation und langes Rechnen ist Ihr neuer Vivitar Blitz das richtige Gerät zu besten Blitz-Aufnahmen, und das . . . automatisch.

Machen Sie sich mit dem Gerät vertraut —

. . . indem Sie diese Gebrauchsanleitung sorgfältig lesen. Bewahren Sie diese beim Gerät auf, so daß Sie im Zweifelsfall nachschlagen können.

. . . indem Sie vor der ersten Aufnahme das Gerät und die beschriebenen Funktionen ausprobieren.

. . . indem Sie einen Probefilm machen. Experimentieren und testen Sie, damit Sie die vielseitigen Möglichkeiten des Gerätes kennenlernen.