

Mamiyalite ZE

English
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The figure numbers throughout the instructions refer to pictures on the fold-out pages at the back.

Mamiyalite ZE

Names of Parts (Fig. 1)

- | | |
|------------------------|---------------------------------|
| 1. Flash Window | 11. Flash Mode Selector Switch |
| 2. Light Sensor | |
| 3. Sync Cord Socket | 12. Fastening Ring |
| 4. Alignment Dot | 13. Mounting Foot |
| 5. Battery Chamber Lid | 14. Automatic Flash Range Marks |
| 6. Wide-angle Diffuser | |
| 7. Red Index Mark | 15. Distance Scale |
| 8. Blue Index Mark | 16. Aperture Scale Slide |
| 9. ASA Index Mark | 17. ASA Numbers |
| 10. Main Switch | 18. Pilot Lamp/Test Button |

Loading Batteries

Open the Battery Chamber by depressing the Lid slightly with the thumb and pulling it in the direction of the arrow. To replace the Lid, align the Dot and Line at the side and push the Lid up until it snaps into place (Fig. 2).

When loading the batteries, make sure the poles are placed exactly as indicated by the guide marks inside the Chamber (Fig. 3).

- Turn off the main switch when the flash is not in use.

Mounting on the Mamiya ZE Camera

First, turn off the Main Switch and loosen the Fastening Ring of the Foot. Next, slide the Foot into the camera shoe until it stops and lock the Mamiyalite ZE tightly into the shoe by turning the Fastening Ring (Fig. 4).

Setting Film Speed (Fig. 5-1)

Align the ASA number of the film being used with the white ASA Index Mark by sliding the Aperture Scale Slide right or left. The ASA number set must be the same as the one set on the camera.

ASA	25	•	•	50	•	•	100	•	•	200	•	•	400	•	•	800	
			32	40			64	80		125	160		250	320		500	640
DIN	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

Setting the Aperture (Fig. 5-2)

After the ASA rating of the film has been set, the Aperture Scale will have a large aperture aligned with the Red Aperture Index Mark and a small aperture aligned with the Blue Aperture Index Mark. Either of these apertures may be set on the lens aperture ring to obtain correct exposure automatically. Set the lens aperture ring to the desired aperture.

If the recommended apertures are between the marked numbers, set the lens aperture in the same way.

To select which of the two apertures to use, choose the larger (smaller f-number) when the subject is at a distance and the smaller when the subject is close, or when you need more depth-of-field.

After deciding which aperture to use, turn the Mode Selector Switch to the red or blue "A", depending on the color of the Aperture Index Mark of your aperture (Fig. 5-3).

Main Switch and Pilot Lamp

Turn on the Main Switch (Fig. 5-4). A few seconds later, the Pilot Lamp will light to indicate that the flash is ready to shoot. (Fig. 5-5).

Regardless of the shutter speed to which the Mamiya ZE camera is set, it will automatically shift to the flash sync speed when the Pilot Lamp lights. You can check the recycling of the flash without looking at the Pilot Lamp each time by checking when the LED in the viewfinder shifts to "60" because the Mamiya ZE stays in the normal automatic exposure mode when the Mamiyalite ZE is not fully charged and the Pilot Lamp is not lit.

Using the Wide-angle Diffuser (Fig. 6)

You will find the Wide-angle Diffuser in the pocket of the vinyl case. To use, snap it onto the Flash Window as shown in the picture. Proper exposure will be obtained without changing any settings when using the automatic flash mode. But note that the automatic flash exposure range becomes smaller, as shown on the Distance Scale by the dots.

Manual Mode (Fig. 7)

Set the Flash Mode Selector Switch to the "M" in the middle. The Mamiyalite ZE always flashes at full power in this mode. To find the proper aperture, first focus on the subject and read the distance shown on the lens focusing ring; then read the f-number shown below the Distance Scale of the Mamiyalite ZE for this same distance. This f-number is the one to which you should set the lens aperture ring.

When using the Wide-angle Diffuser, set the aperture one f-stop larger than shown on the Aperture Scale.

Using the Mamiyalite ZE on a Camera Without a Hot-shoe

Connect the Mamiya Sync Cord MSC-2 (sold separately) to the socket. The hot-shoe contact on the bottom of the mounting foot will then retract to prevent misfiring. Connect the Sync Cord to the X-sync terminal of the camera.

Specifications

Type: Automatic exposure control, dedicated electronic flash.

Coupling system: Hot-shoe with unique Mamiya ZE contact, regular hot-shoe or Mamiya Sync Cord.

Guide number: 17 (ASA100, in meters); 12 with Wide-angle Diffuser.
56 (ASA100, in feet); 39 with Wide-angle Diffuser.

Angle of coverage: 45° vertical, 60° horizontal. Provides coverage for 28mm wide-angle lens with Wide-angle Diffuser.

Recycling time: Alkaline-manganese AA-type: 6 sec. or less.
Ni-Cad AA-type: 5 sec. or less.

Number of flashes: Alkaline-manganese: more than 300. Ni-Cad: more than 90.

Auto flash range selector switch: three-mode selection of two auto flash ranges using red and blue to distinguish one automatic setting from another, plus a manual setting. (Using ASA100 film, the red mark indicates f/2.8 and the blue mark indicates f/5.6.)

Auto flash range: Two color-coded f-stop settings.

Red Index Mark:

Normal 0.5 to 6.0 m (1ft. 8in. to 20ft.)

Wide 0.5 to 4.3 m (1ft. 8in. to 14ft.)

Blue Index Mark:

Normal 0.5 to 3.0 m (1ft. 8in. to 10ft.)

Wide 0.5 to 2.1 m (1ft. 8in. to 7ft.)

Film speed setting: ASA25 to ASA800. Dots for one-third step increments between marked figures.

Shutter speed setting: When attached to the Mamiya ZE, the shutter speed is automatically set when the unit is fully charged (except when the camera is set at X or B).

Power source: Four alkaline-manganese or Ni-Cad AA-type batteries.

Dimensions: 64 (W) x 45 (D) x 104 (H) mm
(2-1/2 x 1-3/4 x 4-3/32 in.)

Weight: 150 g. (5.3 oz.), without batteries.

- All specifications are subject to change without notice.

Notes:

- The Guide Numbers given were measured with new batteries 30 seconds after the Pilot Lamp lit.
- Recycling Time is the shortest interval required between three consecutive flashes using fresh batteries or fully charged Ni-Cad batteries.
- The Number of Flashes is the count found by discharging the flash continuously at 30-second intervals until 30 seconds were required for the Pilot Lamp to light with a set of fresh batteries or fully charged Ni-Cad batteries.

Notes on Batteries

1. Remove the batteries when the Mamiyalite ZE is not to be used for an extended period in order to prevent possible damage due to leakage.
2. Manganese batteries can also be used but the recycling time is longer and fewer flashes are possible.
3. Battery performance is less under low temperature conditions, so Ni-Cad batteries should always be used fully charged. Alkaline-manganese batteries should be kept warm during use.
4. All four batteries should be replaced at the same time. Never mix new and old batteries, or batteries of different brands, as leakage may result.
5. Battery life varies depending on the type of battery, the storage after manufacture, the amount of time that has elapsed since manufacture, whether usage is continuous or intermittent and the ambient temperature.