

## SPECIFICATIONS

Guide number:

ASA/ISO 100/meter: 24

ASA/ISO 25/feet: 40

Power source:

Four 1.5V

"AA" Alkaline Batteries

Auto f/stop:

Red: f/ 2 , 1.0—1 0.0

Green: f/ 4 , 1.0—5.0

Recycling time:

6 Seconds (automatic)

0.3—6 Seconds (thyristor )

Number of flashes:

120 Flashes (automatic)

120—800 Flashes (thyristor )

Coverage: Horizontal x Vertical 60° x 45°

Flash speed: 1/200—1/25000 sec.

Color temperature: 5500° K

Dimensions: 125x65x30mm

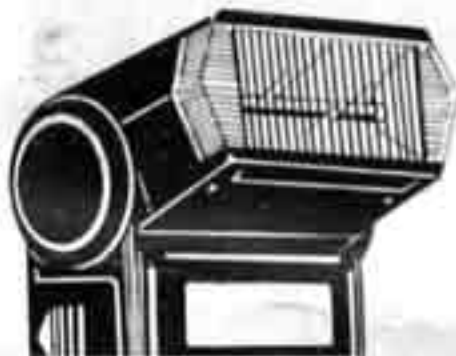
Weight: 130g (w/o battery)

## WIDE ANGLE PHOTOGRAPHY

\* Guide number with wide angle diffuser

ASA/ISO 100/meter: 20

ASA/ISO 25/feet: 33



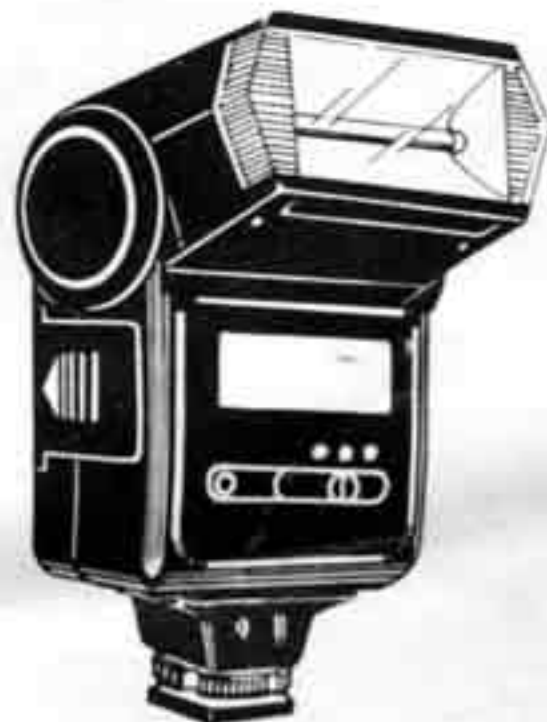
Specifications subject to change  
without prior notice.

## Electronic Flash Instructions

Flash électronique  
Mode d'emploi

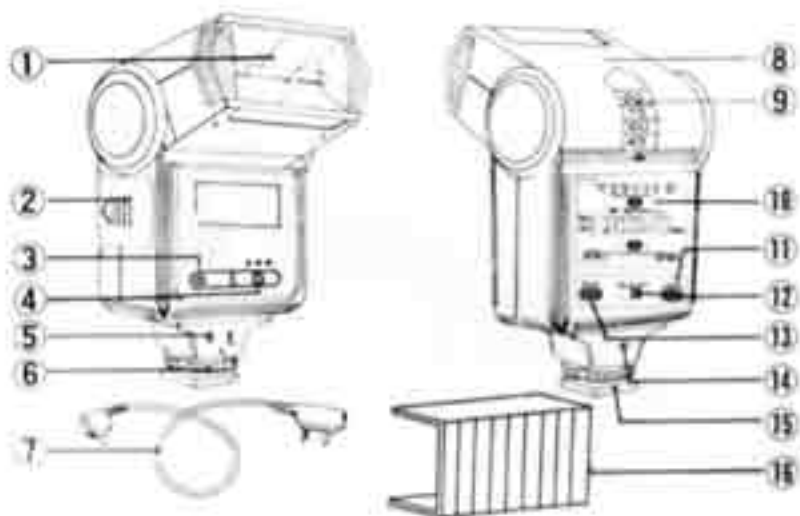
Electronenblitzgerät  
Gebrauchsanleitung

Flash electrónico  
Instrucciones



## IDENTIFICATION OF PARTS

- (1) Flash Window
- (2) Battery Compartment Cover
- (3) Auto Sensor
- (4) Auto-Manual Switch
- (5) PC Cord Socket
- (6) Locking Knob
- (7) PC Cord
- (8) Bounce Head
- (9) Bounce Angle Indicator
- (10) Exposure Guide Table
- (11) Auto Check
- (12) On-Off Power Switch
- (13) Ready Light
- (14) Test Button
- (15) Hot Shoe
- (16) Super Wide Lens



## CAUTIONS

- (1) To avoid being damaged by the spilling of battery electrolyte, remove the batteries from the unit when not using.
- (2) For safety, remove the unit from the camera before replacing the batteries.
- (3) Do not attach your hand to the hotshoe when replacing the batteries.
- (4) Do not expose the unit to sunlight and high temperature over 45°C too long.
- (5) Do not store the flash unit in a very humid compartment.

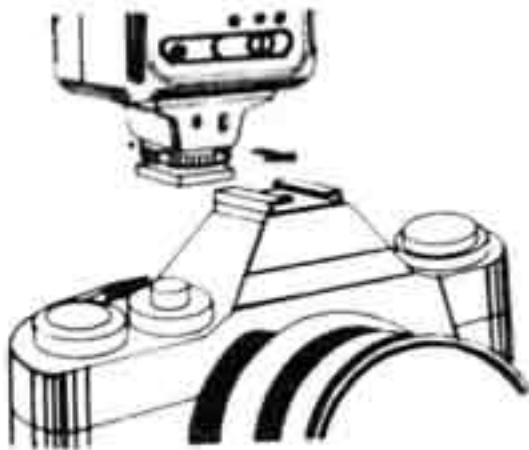
## INSERTING THE BATTERY

- (1) Slide battery compartment cover (2) in direction of arrow.
- (2) Install 4 AA-size alkaline or Nickel-Cadmium batteries according to the polarity indicated inside the battery compartment.



## MOUNTING THE FLASH

- (1) ON/OFF switch (12) must be in the "OFF" position before inserting flash hot shoe (15) in your camera hot shoe.
- (2) Lock the flash in place with the thumb-wheel.
- (3) If the camera has no hot shoe, be sure to use the synch cord (7) by inserting one end in the synch cord socket (5) of the flash and the other end in the flash connection of the camera.

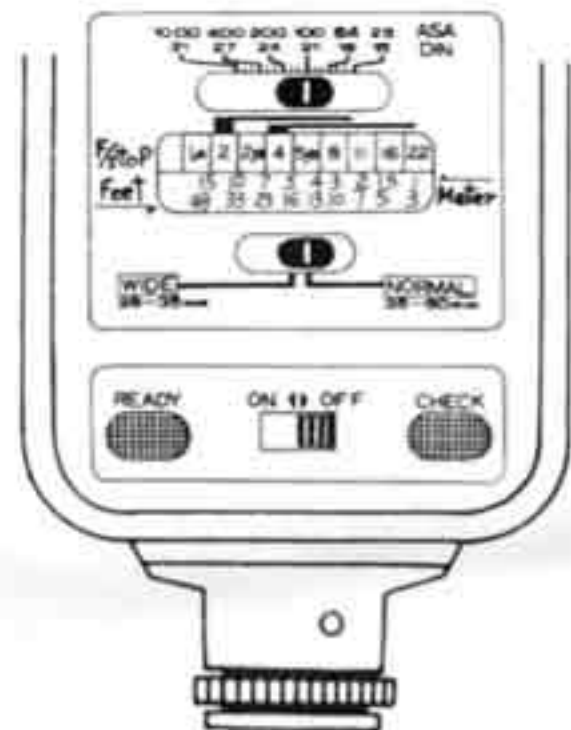


## OPERATING THE FLASH

Turn the switch to the "ON" position. Within a few seconds, the Ready Lite will go on indicating the flash is charged and ready to be fired. After not using for a long time, recharge the capacitor and fire the flash 3—4 times with the Test Button (14)

After the flash is fired, the Ready lite will go off. Never fire the flash until the Ready Lite comes on again. When the recycling time is more than 45 seconds, the batteries are weak and should be replaced.

To conserve the battery power, be sure to turn the flash off when not in use. **IMPORTANT:** Even after turning off the flash unit, the Ready Lite may remain on for a while because it is powered by the capacitor, not by batteries.

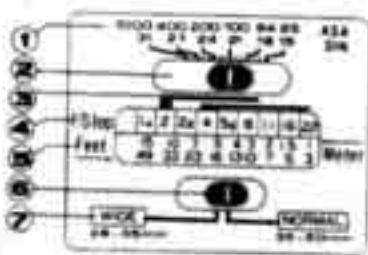


## MANUAL OPERATION

1. Set the Auto-Manual Switch to the left position marked "M" (white).
2. Align the film speed (ASA/DIN) to the index by sliding the film speed selection knob.
3. Set the lens indicator knob to the same index as the lens indicator (W1) when using wide angle diffuser.
4. Set the camera f/stop (F) corresponding to the flash-to-subject distance (m) to obtain correct exposure.

Calculating the correct f/stop by the formula:

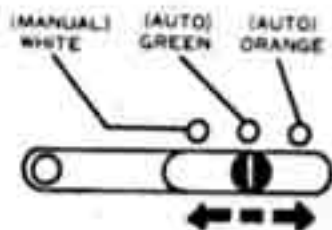
$$F/stop = \frac{\text{Guide number (GN)}}{\text{Distance (m). (ft).}}$$



1. Film Speed (ASA/DIN)
2. Film Speed Selection Knob
3. Auto f/stop (Orange/Green)
4. F/stop
5. Distance to Subject (Meter)  
(ft)
6. Lens indicator Knob
7. Lens indicator

## AUTOMATIC OPERATION

1. Set the Auto-Manual Switch to the right or left position marked in red or green.
2. On Exposure Guide, the red indicates the automatic red setting f/stop (Ex. ASA 100 red setting: f 2 ) and the green indicates the automatic green setting f/stop (Ex. ASA 100 green setting f 4 ).
3. Your flash unit will provide correct exposure at all distance from 1.0 to 10m for red setting and 1.0 to 5.0m for green setting.



## BOUNCE PHOTOGRAPHY

A more natural illumination particularly for portraiture can be obtained when the lighting is coming from overhead. For this reason, the flash head is adjustable for Bounce Lighting to bounce the light off the ceiling and back onto the subject providing more diffusing overhead illumination.

The correct bounce angle which the flash can be adjusted depends on the distance between flash and subject so that the reflected light hits the subject from the front. Use only light colored ceilings less than 2.5 meters high.

