



<sup>TM</sup>  
OPTI-LITE INSTRUCTION MANUAL

**NIMSLO** <sup>®</sup> 35mm  
**3D**

# INTRODUCTION

Your Nimslo Opti-Lite Electronic Flash has been specially designed for use with the Nimslo 35mm 3-Dimensional Camera for 3-Dimensional photography. The Opti-Lite permits you to take pictures quickly and easily in most situations where there isn't enough natural light. It will provide you with more pleasing 3-Dimensional photographs.

In the past, the method of bounce and fill-in lighting was only utilized by professional photographers; now the Nimslo Opti-Lite Flash provides this capability automatically.

Since the Opti-Lite Flash unit incorporates many unique and advanced features, please read the simple instructions in this book before you use it.

These instructions will help you take the most striking 3-Dimensional photographs possible.

# DESCRIPTION OF PARTS

1. Bounce Flash Head
2. Auto Sensor
3. Direct Flash Head
4. Hot Shoe Contact



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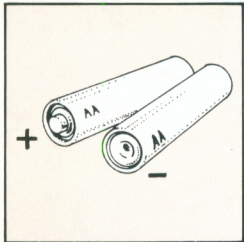
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# HOW TO USE THIS BOOK

Open the front and back flaps of your Owners Manual as shown. Refer to the numbers in the Description of Parts for a handy reference as you read through these instructions.

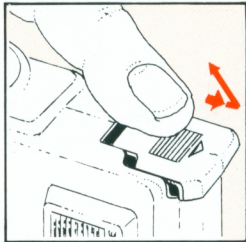


# INSTALLING THE BATTERIES



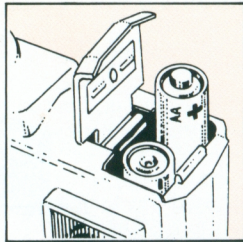
## 1. Uses popular AA size Alkaline batteries

Your Opti-Lite can be used with either two Alkaline AA batteries or two Nickel-Cadmium AA batteries.



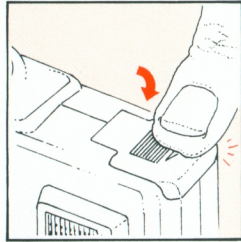
## 2. Easy open battery door

To insert the batteries slide the Battery Compartment Cover (9) toward the bottom of the unit in the direction of the grooved arrow and gently fold up the hinged cover.



## 3. Insert two AA batteries into the flash

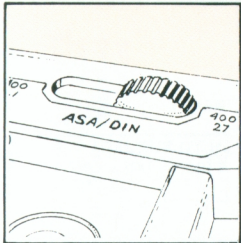
A diagram inside the battery compartment and the illustration above show the correct plus (+) and minus (-) positioning of the batteries.



## 4. Close the battery door

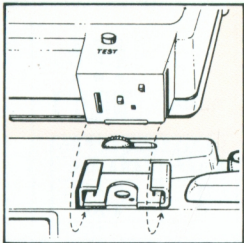
To close, press the Battery Compartment Cover (9) completely down and slide it upwards until it snaps into place.

# ATTACHING THE FLASH



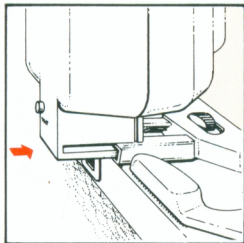
## 1. Match the camera ASA Selector to the film you are using

Before attaching the Opti-Lite flash to your camera, check that the camera Film Selector Switch matches the speed of the film you have loaded into your camera.



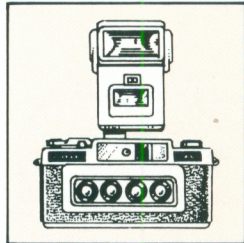
## 2. Contacts carry electric signals between the camera and flash

A "dedicated" electronic circuit signals flash ready and automatic flash operation when the camera shutter release button is depressed.



## 3. Attach the flash to the camera

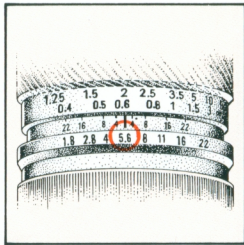
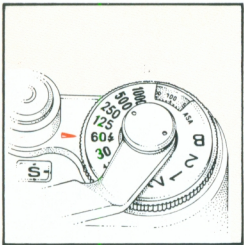
Slide the Hot Shoe Contact (4) of the flash forward into the Camera Accessory Shoe — until it stops. This insures proper contact.



## 4. The Nimslo Opti-Lite Flash and Camera work best together

The Opti-Lite will work with any camera which has an accessory shoe accepting electronic flash.

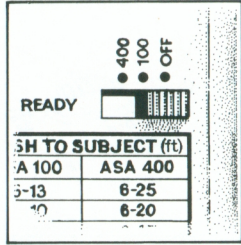
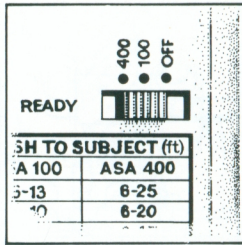
# TAKING PICTURES



## 5. The Nimslo Opti-Lite may be used with any adjustable 35mm camera

Set your camera shutter speed dial to the x sync (electronic flash) setting recommended by the manual that came with your camera.

Then set your lens for f/5.6 as illustrated above. The Opti-Lite and your camera will now work together automatically.



## 1. This switch turns your flash on and off.

Turn the Opti-Lite on by moving the ASA/OFF Switch (7) to either 100 or 400 depending upon the ASA rating of the film you have loaded into your camera. When turning on the Opti-Lite, you will hear a high pitched sound – which is normal and means your flash is charging up to a flash ready condition. Turn the Opti-Lite off when you are through using it or during long periods between flash pictures as a way of conserving the life of your batteries.

# TAKING PICTURES (CONT.)



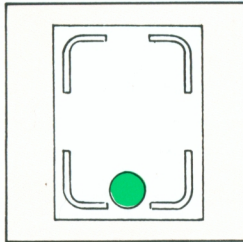
## 2. Flash READY lamp off

Your flash takes a few seconds to recharge between shots. DO NOT TAKE A PICTURE UNLESS THE READY LAMP (8) GLOWS.



## 2. Flash READY lamp on

When the flash is fully charged and ready to use, the amber colored "READY" Lamp (8) on the rear of the Opti-Lite will glow indicating that your flash is fully charged and ready to take pictures.

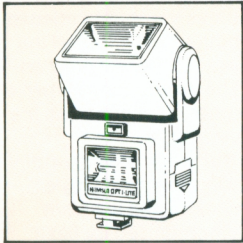


## 3. Flash READY indication in the camera viewfinder

A second flash ready indication is accomplished without bringing the camera down from your eye. Look into the Nimslo camera viewfinder and

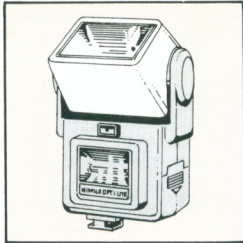
press the shutter release button lightly (not all the way) to the test position. The flash is ready when a green dot appears in the viewfinder. The green dot also indicates that the Nimslo camera and flash are synchronized for flash pictures.

# TWIN FLASH DESIGN



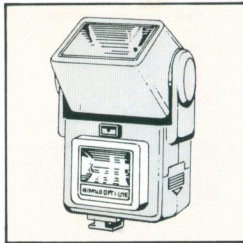
## 1. Two flash heads offer better light control

Your Nimble flash has a Direct (3) and a Bounce Flash Head (1) allowing you to direct the best lighting toward and behind your subject.



## 2. The Bounce Flash Head

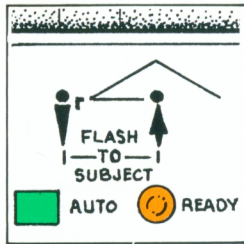
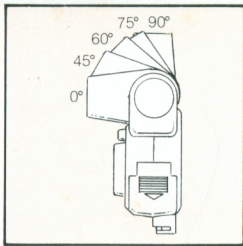
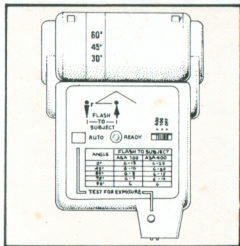
By aiming the Bounce Flash Head (1) upward, its light is bounced off the ceiling, providing a soft even illumination over and behind your subject.



## 3. The Direct Flash Head

The Direct Flash Head (3) provides a less powerful direct beam of light to fill in the weaker shadows that may result from the Bounce Light.

# TWIN FLASH DESIGN (CONT.)

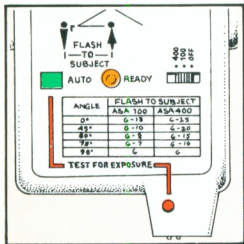


## 4. A handy reference for the best flash to subject distances

You can easily find the best bounce and flash to subject angle by looking at the chart on the back of your flash.

As an easy method of selecting the best bounce angle (0°, 45°, 60°, 75° or 90°) simply point the Tilttable Head toward the ceiling directly above your subject to provide both direct and bounce (reflected) illumination. In all cases, the Opti-Lite's Auto Sensor (2) measures the amount of light falling on your subject and computes the exact amount of flash for the best exposure.

# USING THE BOUNCE LIGHT FOR BETTER PICTURES



## 1. Auto test for flash coverage

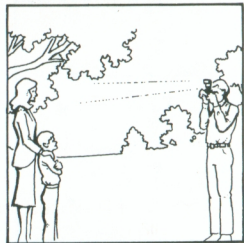
If you wish, you can now check to make sure you will get a correctly illuminated picture without actually taking it. Press the orange, "TEST" Button (10) on the back of the Opti-Lite while aiming

your camera and flash at the subject. If the amount of light for a good picture is adequate, the "Auto Test Indicator" (6), on the flash, will quickly flash green. After taking a photograph, the flash will then automatically recharge itself for the next shot. As stated previously, both simple "flash-ready" checks, will once again apply. If the Auto Test Indicator does not light, chances are the subject is too far from the camera for a good flash picture. Move closer and test again.



## 2. Using flash indoors

Bounce lighting works best in rooms with 8 foot to 10 foot ceilings. Try to use it with a neutral or light colored ceiling to avoid reflecting an unwanted tone onto your subjects.



## 3. Using flash outdoors for fill-in

Using the flash outdoors reduces annoying shadows cast by trees, buildings, etc. and gives your photographs better overall lighting. The Direct and Bounce Flash Heads are aimed (0°) at your subject.

# CARE AND STORAGE OF THE FLASH

Your Nimslo Opti-Lite Electronic Flash has been engineered to require no maintenance. Yet to ensure best performance, we suggest the following:

## Check batteries frequently

Your flash should recycle (the time it takes for the amber ready light to come on between flashes) within 13 seconds or so. If the time exceeds 30 seconds, a fresh set of batteries should be used (or the Nickel-Cadmium batteries should be recharged.)

At times, even the best of batteries leak some chemical material through the jacket leaving a whitish powder on the battery. You should inspect them periodically. If leakage should occur, replace the batteries after cleaning the internal contacts in the Opti-Lite battery chamber with a pencil eraser or cotton swab dipped in alcohol or a cleaning fluid. It is also a good idea to remove the batteries periodically and wipe them with a tissue.

## Store it without batteries

If you do not intend to use your Opti-Lite for a month or more, it is best to remove the batteries and store them separately. Otherwise, the batteries may corrode in the Opti-Lite and cause damage to the electronic circuitry.

Note: If you have not used your flash unit for some time, the recycle times for the first few flashes will be longer than usual. If you are using nickel-cadmium batteries, recharge them fully every month regardless of how often they have been fired.

## **CARE AND STORAGE OF THE FLASH (CONT.)**

### **Keep the flash lenses clean**

If the Opti-Lite's lenses become dirty, clean by using one drop of lens cleaner on a lens cleaning tissue and rub gently. A small amount of lens cleaner and lens tissue, or a slightly moist cloth can be used to clean the rest of the unit. UNDER NO CIRCUMSTANCES IMMERSE THE OPTI-LITE IN LIQUID OR USE EXCESS LIQUID TO CLEAN IT. BE SURE TO DRY THE UNIT THOROUGHLY AND IMMEDIATELY AFTER CLEANING.

### **Don't attempt to service the unit yourself**

If the Opti-Lite fails to operate, most likely the cause is weak batteries. Replace them. If it still does not operate, check the battery contacts in the unit and Accessory Shoe contacts between the Opti-Lite and the camera.

In the unlikely event that this does not work, return the Opti-Lite to your dealer, or directly to Nimslo Corporation, One Nimslo Park, Atlanta, Georgia 30338, for service. Do not attempt to open, service or adjust the flash unit yourself.

# SPECIFICATIONS

<b>Flash Type:</b>	Twin Head, Automatic Electronic
<b>Flash Distance:</b>	ASA 100: 6 feet to 13 feet ASA 400: 6 feet to 25 feet
<b>Power Source:</b>	2AA Alkaline (80 flashes and 13 seconds recycle time with fresh batteries) 2AA NiCAD (60 flashes and 9 seconds recycle time with fully recharged batteries)
<b>Bounce Angle (Bounce Flash Head):</b>	0°, 45°, 60°, 75°, 90°
<b>Angle of Coverage:</b>	Main (Bounce Head) 37° x 45°, Sub (Direct Head) 37° x 45°
<b>Color Temperature:</b>	5800 K balanced for daylight color film
<b>Dimensions:</b>	3 <sup>3</sup> / <sub>8</sub> " Height x 2 <sup>1</sup> / <sub>8</sub> " depth x 2 <sup>5</sup> / <sub>8</sub> " width
<b>Weight:</b>	5.6 ounces

Nimslo 35mm 3-Dimensional, Quadra Lens, Opti-Lite and the four suns visual are trademarks of Nimslo Corporation

# WARRANTY & IMPORTANT SAFEGUARDS

## Opti-Lite Electronic Flash Limited One Year Warranty

Your Nimslo Opti-Lite Electronic Flash is warranted against defects in workmanship and materials for a period of one year from date of purchase. Please retain your dated sales slip or other proof of purchase date to validate the warranty period. Without this information the warranty period will be determined from the manufacturing date of the Opti-Lite Electronic Flash.

If your Opti-Lite Electronic Flash proves to be defective within the warranty period we will repair or at our option replace it with a fully reconditioned Opti-Lite Electronic Flash. The repaired or replaced unit will carry the warranty period applicable to the original Opti-Lite Electronic Flash.

To obtain warranty service, the Opti-Lite Electronic Flash must be returned to or repaired by a Nimslo Service Center or a Nimslo Authorized Service Center. You may also return the Opti-Lite Electronic Flash through your Nimslo dealer. If that is inconvenient for you or if you have any other questions, please contact your Nimslo Customer Service Representative toll free at 1-800-554-2854 from anywhere in the continental United States (In Georgia, please call 1-800-282-8988), Monday through Friday from 8:30 a.m. — 4:30 p.m. Eastern Standard time.

**THIS WARRANTY DOES NOT COVER DAMAGE CAUSED BY ACCIDENT,**

**MISUSE OR TAMPERING WITH THE OPTI-LITE ELECTRONIC FLASH NOR DOES IT ALLOW FOR CONSEQUENTIAL DAMAGES. (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THEREFORE THE FOREGOING EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.) THE ORIGINAL CONSUMER/PURCHASER IN RETURNING THIS NIMSLO OPTI-LITE MUST PREPAY ALL POSTAGE, SHIPPING, TRANSPORTATION, INSURANCE AND DELIVERY COSTS TO THE REPAIR FACILITY.**

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

## Important Safeguards

When using any electric equipment, basic safety precautions should always be followed:

1. to avoid electric shock hazards, do not disassemble this unit. If it fails, take it to a qualified service person or return it to Nimslo. Incorrect reassembly can cause an electric shock hazard when the flash is used again.
2. Do not immerse the flash in water or liquids.
3. Do not use the flash if it has been dropped or damaged until it has been examined by a qualified service person.
4. Do not leave the flash unattended while in use. Close supervision is necessary when used by or near children.

# **CUSTOMER SERVICE**

## **Toll Free Number**

Your satisfaction with your Nimslo Opti-Lite Electronic Flash is important to us. If you have any questions or problems, please call our toll free number . . .

1-800-554-2854 (1-800-282-8988 in Georgia).

Our Customer Service is open each weekday from 8:30 a.m. to 4:30 p.m. Eastern Standard Time.

## **Corporate Office**

Nimslo Corporation  
One Nimslo Park  
Atlanta, GA 30338

## **Branch Office**

Nimslo Corporation  
76 Watertown Road  
Thomaston, CT 06787

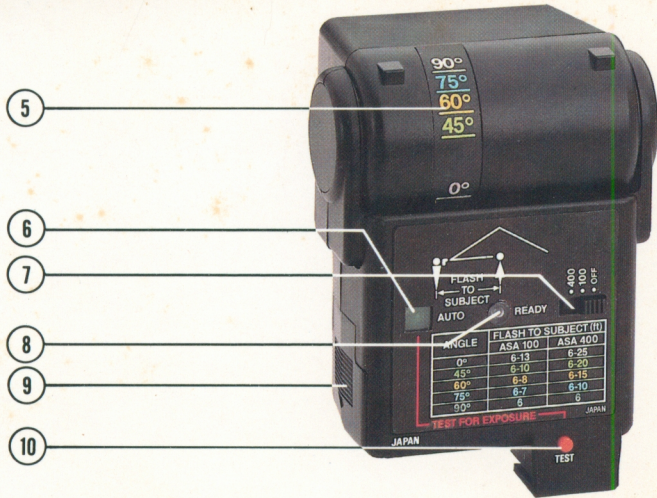
## **Branch Office**

Atlanta Regional  
Processing Center  
3500 McCall Place  
Atlanta, Georgia 30340



# DESCRIPTION OF PARTS (CONT.)

- 5. Bounce Angle Scale
- 6. Auto Test Indicator
- 7. ASA/OFF Switch
- 8. Ready Lamp
- 9. Battery Compartment Cover
- 10. Test Button





OPTI-LITE INSTRUCTION MANUAL

**NIMSLO**<sup>®</sup>

35mm

**3D**

ND-0100