

***Daylab 120  
Owner's  
Manual***

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## INTRODUCTION

Thank you for purchasing the Daylab 120. I think you will find that it meets your requirements for taking medium format slides and exposing them onto Polaroid films. We have designed the Daylab 120 to be easy to use. If you have any problems, questions or comments, please contact us directly.

This is a first generation manual and as such probably does not contain everything possible. We will constantly update the manual and make any changes available to you free of charge.

Welcome to the growing family of Daylab users

## ASSEMBLING YOUR DAYLAB 120

**\*\*\*\*\* REMOVE THE PROTECTIVE LENS CAP  
BEFORE PROCEEDING. SIMPLY TURN THE HEAD  
UPSIDE DOWN AND REMOVE CAP. \*\*\*\*\***

The Daylab 120 comes fully assembled and ready to use. Just plug the Daylab 120 power adapter into an outlet, then plug the adapter's other end into the back of the Daylab 120's head.

The Daylab 120 works with and is interchangeable with any of the following bases:

SX-70 Time Zero Base  
3 ¼ x 4 ¼ Base  
4 x 5 Base  
8 x 10 Base

The Daylab 120 uses a slide film holder which is approximately 2 ½ by 12 inches together with a film template for 6 x 6 and 6 x 7. Contact Daylab directly for information on the 6 x 4.5 format. The template attaches to the slide film holder through use of built in magnets.

## SETTING THE SWITCHES:

On the face of the Daylab 120, you will find five different switches. Starting from the left, "1 2 3" is the SPEED SWITCH, "Timer" is the timer switch, "View Off Print" is the LIGHT SWITCH, "+ //O\\ -" is the EXPOSURE COMPENSATION DIAL and the orange button is the START EXPOSURE SWITCH.

**SPEED SWITCH:** Polaroid films have different "speeds", or sensitivities to light, just like conventional film does. The speed switch tells the Daylab 120 what kind of paper you're using, just as the ASA/ISO dial tells your camera what speed film you're using. The following is a chart for suggested starting points.

		SPEED SWITCH EXPOSURE CONTROL		
		SETTING	SETTING	
ISO 100	689	PRO 100	1	0
ISO 100	664	PRO 100	1	+1
ISO 80	669	POLACOLOR	1	+3
ISO 80	669	POLACOLOR	2	-2
ISO 80	559	POLACOLOR	2	-1
ISO 80	59	POLACOLOR	2	-1
ISO 80	809	POLACOLOR	3	0
SX-70 TIME ZERO FILM			1	0

**TIMER SWITCH:** The timer works at three different settings based on the speed switch setting: "1" is for 30 seconds, "2" is for 60 seconds and "3" is for 90 seconds.

**LIGHT SWITCH:** The Daylab 120 has two lighting systems: a halogen view lamp for "white light" viewing, and a strobe for printing. (Both lamps are 12 volt; the Daylab 120 power supply converts household current to 12 volts.)

When composing and focusing the picture, use the "View" setting.

When you are ready to make the exposure, use the "Print" setting. **The print light will not come on until three seconds after you press the "Start" button.** This designed to eliminate vibration.

**When you're not viewing or printing, keep the switch in the "Off" position. Never leave a slide or negative under the view lamp for a longer than necessary. The film will curl and will become damaged, and your plastic mount will melt.**

**EXPOSURE COMPENSATION DIAL:** The Daylab 120's automatic exposure sensor can provide a wide range of printing times with any slide. The speed switch provides three "ranges" which, together with the exposure compensation dial, allows continuous adjustment. Turning the dial to the plus side increases exposure and turning to the negative side decreases exposure.

The exposure meter in the Daylab 120 is just like the exposure meter in many 35mm cameras. It is programmed to reproduce an "average" scene. If the scene is supposed to be very light (such as a snow scene) or very dark (such as deep shadows or a night scene), you'll need to manually adjust the exposure compensation dial. Remember; use the same reasoning with the Daylab 120 that you would with your 35mm camera.

With the Daylab 120's exposure compensation dial, you can add or subtract about 2 stops to the exposure. Each mark around the dial increases or decreases exposure by about half a stop.

When printing slides, more exposure time makes the print lighter. Less exposure time makes the print darker.

**START SWITCH:** This turns on the print light and activates the automatic exposure center. It is *programmed to flash three seconds* after activation to prevent the enlarger head from moving and affecting your focus.

## **HOW TO MAKE YOUR FIRST PRINT FROM A SLIDE**

### **CHOOSING A GOOD SLIDE**

When you are selecting which slides to print, please don't waste time and money on unsharp, badly exposed or off-color slides. A good slide is in focus, has even exposure (not too light or too dark) and has colors that accurately represent the real scene you photographed.

The Daylab 120 will allow you to do many creative interpretations of your slides and negatives, but the Daylab 120 cannot "save" a bad slide.

Always start with a clean slide because you don't want to magnify and print dust and dirt.

When using a roll of slides place the roll onto slide holder. Place the appropriate template for 6 x 6 or 6 x 7 over the slides and slide holder. Magnets in the slide holder and the template will line up the two pieces.

When using a mounted slide, simply place the mounted slide on the bottom side holder and do not use the top template.

### **STEP 1: COMPOSE AND FOCUS**

1. Open the viewing door and turn the light switch to "View." The light in the enlarger head will come on.
2. Look through the viewing door to see the image projected onto the dark slide of your film holder. Move the slide holder to crop (adjust the borders of the picture.)
3. Turn the magnification knob located on each side of the enlarger head to enlarge or shrink the picture. Using the same knobs, turn in the other direction to focus.
4. When cropped and focused, close the viewing door.

## **STEP 2: MAKE YOUR EXPOSURE**

1. Set the paper speed switch and exposure compensation dial according to the chart above.
2. Move the light switch to the "Print" position.
3. Pull out the dark slide on the film.
4. Gently push the "Start" switch. *The strobe will activate in three seconds.* The automatic exposure sensor times the exposure and turns off the strobe when the exposure is finished.
5. After the unit flashes, push the dark slide back in completely.
6. Pull out your Polaroid print per the instructions that came with your film holder. Wait the required development time, then peel apart to reveal your print.

## **MORE ABOUT COMPOSITION AND CROPPING**

You have full control over cropping when composing your picture. First, you can move the slide around to put the most important part of the image in the center of your photo. Second, you can increase its size to crop out, or exclude, more of the image. or, you can reduce its size to include more of the image.

## **GET THE CORRECT EXPOSURE FIRST**

Most color printing materials (including Polaroid film) will change their colorcast when they are printed too light or too dark. The first step toward achieving correct color, therefore, is to achieve correct exposure. That is why the Daylab 120 has a manual exposure compensation switch. The Daylab 120 does not have built-in color filters. You should not need color filtration with the Daylab 120 because of the design of the flash unit. However, if color filtration is desired, there is plenty of room to place an appropriate cc filter in the slide holder.

## **TROUBLE SHOOTING GUIDE**

What the Daylab 120 Cannot Do

**If your slides have the following problems, the Daylab 120 cannot "save" them:**

1. Images out of focus
2. Severe underexposure (no detail in shadows)
3. Severe overexposure (no detail in highlights)
4. Slide mangled, scratched, or folded

## **EXPOSURE PROBLEMS**

### **Print is Blank**

Most likely causes are:

1. Using Sheet Film Holder, the negative came out with the cover. Make sure sheet is pushed all the way into the holder. In extreme cases the holder might be bent and unable to fully grasp the negative.
2. Using Film Pack holder, the dark slide was not pulled out before the exposure.
3. "Start" button was not pressed, thus exposure light did not come on.

### **Print is Too Light**

Decrease the exposure compensation dial by -1 or more depending on the severity of the overexposure.

### **Print is Too Dark**

Most likely cause is underexposure. Increase the exposure compensation dial by +1 or more depending on the severity of the underexposure. If you require more time than a maximum setting allows, move up to the next higher number on the speed switch, or expose the print more than once. Exposing the print twice effectively doubles your exposure.

### **Lamp Replacement**

Contact the Daylab Company for replacement lamps and installation instructions.

**Daylab 120 ACCESSORIES :** These accessories will expand the Daylab 120's capabilities.

**D-101A Small Base:** Works with the Daylab 120 enlarger head to make instant prints from slides using 3-1/4x4-1/4" Polaroid film.

**D-101B Daylab 120 4 x 5 Base with Graph-Lok Adapter:** Works with the Daylab 120 enlarger head to make instant prints from slides using 4 x 5 Polaroid film using 545 or 550 holders (not included).

**D-101D Daylab 120 8 x 10 Base:** Works with the Daylab 120 enlarger head to make instant prints from slides using 8 x 10 Polaroid film. 8 x 10 holder not included. Separate Processor required.

**D-101TZ Daylab SX-70/Time Zero Base:** Works with the Daylab 120 enlarger head to make instant prints from slides using Polaroid Time Zero Film

Later in 1999, an adapter for 6 x 4.5 (645) transparencies will be available directly from Daylab. Please check the Daylab web site for details or call 800-235-3233 to be put on a notification list.

## **Daylab Warranty**

The Daylab 120 is guaranteed against defects in materials and workmanship for one full year from the date of original purchase. During this period, any such defects will be remedied without charge, except for transportation costs. The warranty excludes damage resulting from normal wear, mishandling or accident, and a charge will be made for such repairs. This warranty excludes consequential damages. Some jurisdictions do not allow the limitations of consequential damages, so the foregoing may not apply to you.

DAYLAB is made in the USA by Pfaff Manufacturing, Inc.

For customer service  
call Daylab at (800) 235-3233

Or write to:  
DAYLAB, 400 East Main Street, Ontario, California 91761

or visit us at [www. Daylab.com](http://www.Daylab.com)