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You can read the recommendations in the user guide, the technical guide or the installation guide for POLAROID DAYLAB 35 PLUS. You'll find the answers to all your questions on the POLAROID DAYLAB 35 PLUS in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Daylab 35 Plus
Multiformat Slide Enlarger



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Manual abstract:

(For detailed information about these processes, refer to the Polaroid publication entitled *Creative Uses* included in your Daylab 35 Plus kit). 2 Daylab 35 Plus Components The letters throughout the text refer to the Daylab 35 Plus illustration on page 20 of this manual. The Daylab 35 Plus has two main components: 1 The enlarger head (a): With built-in Three other bases are available as Daylab 35 Plus accessories (for a complete list of accessories, see pages 16-17 of this manual): 3 1/4 x 4 1/4 Base: For use with 3 1/4x 4 1/4in. color filters, automatic exposure control, manual exposure adjustment and enlarging capabilities. 2 The film-holder base (g): You can choose from four film-holder bases that enable you to enlarge your slides onto the following peel-apart film formats: 3 1/4 in. x 4 1/4 in., 4 x 5 in. and 8 x 10 in. The bases are easily changed at any time. Each base comes with either a dark slide or a focusing panel (f) which is to be inserted into your film holder.

When fully inserted into the film holder, it prevents accidental exposure of your film. This dark slide/focusing panel has a white surface for use when you compose and focus your image. 4 x 5 base: This base has a Graph-Lok adapter, a built-in locking system, that accepts either the Polaroid Model 545i Film Holder for use with 4 x 5 in. single sheet films or the Polaroid Model 550 Film Holder for use with 4 x 5 in. pack film (ten exposures per pack). With the 4 x 5 base, you can enlarge a projected image by 60%. (This base comes standard with the Daylab 35 Plus less 4x5 holder) Note: The 4 x 5 base comes with a white pack film. . With the 3 1/4 x 4 1/4 base, you can enlarge a projected image by 54% · 8x10 Base: For use with Polaroid 8 x 10 in. film. This bases accepts a Polaroid Model #81-06 Film Holder. The 8 x 10 base is available separately or as part of a kit with the Calumet 8 x 10 Instant Film Processor and the Polaroid Model #81-06 Film Holder (see Parts and accessories on pages 17-18). With the 8 x 10 base, you can enlarge a projected image by 78%. Note: The 8 x 10 base comes with a dark slide, one side of which is white for viewing and focusing images. It is intended for use with the Polaroid Model #81-06 Film Holder. Time Zero SX 70 Base: Also available in limited quantities is an SX 70 Base for use with Time Zero Film for SX 70 Manipulations. Contact Polaroid or Daylab for further information. plastic focusing panel, for viewing and focusing images, to be used with the Polaroid Model 545 Film Holder. It is not intended for use with the Polaroid Model 550 Film Holder which has its own dark slide. 3 Preparing your film holder Recommended film types for specific Daylab 35 Plus applications are listed in the chart below.

Before loading the film, you may need to prepare your film holder, depending on which film format and Daylab 35 Plus base you plan to use. 4 x 5 base: You can use three types of film holders with this base. The Polaroid Models 545i & 545 Pro Film Holders. For use with 4 x 5 in. single sheet film. A white plastic focusing panel (f) for composing and focusing your image is included with the base. Insert it into the 545 type film holders as you would a single sheet of film.

The Polaroid Model 550 Film Holder: For use with 4 x 5 in. pack film. Be sure the white side of the film-holder dark slide faces upward, enabling you to compose and focus your image on the dark slide.

Note: If you purchase a 550 film holder separately, the stainless steel dark slide does not have a white side. Contact Polaroid for a replacement dark slide (see for information and or assistance on page 15 of this manual). Do not try to use the white plastic focusing panel, specifically designed for the 545i film holder, with the 550 film holder. 8 x 10 base: The 8 x 10 base is intended for use with the Polaroid #81-06 Film Holder which can be used with either the Polaroid 8 x 10 Film Processor or the Calumet 8 x 10 Instant Film Processor. Before loading film, take the dark slide that comes with 8 x 10 base and insert it into the film holder.

Be sure that the white side of the dark slide faces upward, enabling you to compose and focus your image. 3 1/4 x 4 1/4 film holder: The film holder that is built into the 3 1/4 x 4 1/4 base comes ready-to-use. Continue with Loading film. Loading film To load film, refer to your film holder instructions. Note: When using either the 3 1/4 x 4 1/4 or the 4 x 5 film-holder base, load your film into the film holder before assembling the enlarger head and the base.

Recommended Polaroid peel-apart instant films, for use with the following Daylab 35 Plus applications: Slide Image/Emulsion Film format transfer 669 559 59 809 copies Color Applications 3 1/4 x 4 1/4 pack film 4 x 5 pack film 4 x 5 sheet film 8 x 10 sheet film SX 70 film Black and-white applications 3 1/4 x 4 1/4 pack film 4 x 5 pack film 4x 5 sheet film 8 x 10 sheet film 669 & 679 559 59 & Polacolor pro 100 809 Internegative SX 70 Manipulation Time Zero SX 70 - Polapan Pro 100 Polapan Pro 100 Polapan Pro 100 Polapan Pro 100 665 55 4 Assembling the Daylab 35 Plus After preparing the film holder and loading the film, assemble the Daylab 35 Plus as follows: 1 Attach your film holder to the film-holder base (g). Step 1 is required only when using the 4 x 5 or 8 x 10 film-holder base. If using the 3 1/4 x 4 1/4 base, proceed with Step 2. 4 x 5 base: Attach either the Polaroid Model 545i, Pro or the Polaroid Model 550 Film Holder to the base. Turn the base upside down so the two sliding metal bars with the "lock" and "unlock" symbols are in view. Slide both bars as far as they will go in the "Unlock" direction. Place the film holder over the opening between the bars as shown in the illustration below. 8 x 10 base: After loading the 8 x 10 negative sheet into the film holder and removing the negative envelope, insert the film holder into the base. The film holder slides into the slot at the bottom of the base (see illustration below). Push the holder into the slot as far as it will go.

When correctly inserted, the film holder locks securely into place 2 Attach the enlarger head (a) to the film-holder base (9). 3 1/4 x 4 1/4 base: Align the assembly fittings (e) on the sides of the enlarger head with the assembly locks on the base. When properly mounted, the enlarger head rests securely on the base. Be sure that the side of the film holder with the dark slide or focusing panel (f) faces this opening. With the film holder in place, slide the bars back to the "lock" position, in the direction indicated by the arrows in the illustration. When the film holder is properly mounted, the bars fit into the grooved edges of the film holder, securing it to the base. 5 4 x 5 and 8x10 bases: As shown in the illustrations below, orient the base so the previewing door (n) faces you and you can access the film-holder opening (4 x 5 base) or slot (8 x 10 base) from the right side of the base.



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Then, holding the enlarger head so the controls are facing you, place it upon the base so the assembly fittings (e) snap into the locks (see illustration insets) Film Processing time Processing times vary for different film types. Also, temperature affects the processing time of your film. Check your film instructions for the recommended processing times.

Note: When you make image transfers, the film requires a different processing time. For recommended processing times, refer to the Creative Uses Guide included with your system. The Daylab 35 Plus head, mounted on the 4 x 5 film-holder base The Daylab 35 Plus head mounted on the 8x10 film-holder base 3

Plug the power supply (d) into an appropriate electrical outlet and then into the connection on the back of the enlarger head. 6 Preparing to make an enlargement Select a slide The Daylab 35 Plus allows you to add creative effects to your slides, but it cannot improve the photographic quality of your original image. Choose a clean, dust-free 35mm slide that is in sharp focus, has an even exposure (neither too light nor too dark) and accurately renders your subject's colors.

Orient your slide on the slide carrier Holding the slide carrier (i) with its long edge facing you (the guides that hold the slide in place face upward), lay your slide emulsion -side-up (dull-side-up) on the carrier so that it fits within the guides. Be sure to orient the slide on the carrier so the image is upside down and appears as a mirror image on the focusing panel or dark slide. Compose your picture With the slide correctly oriented, insert the slide carrier into the slide carrier slot (see illustration below). Open the previewing door (n) to view your image projected onto the white focusing panel or dark slide of the film holder (as shown below) Notice that the slide carrier does not lock into position in the slide carrier slot, allowing you to move it in any direction to crop and center the projected image For more information on composing your picture, see Tips for better enlargements on page 14 of this manual. Focus your picture As you view the image projected on the dark slide, turn the cropping and focusing control (c) on either side of the enlarger head to enlarge or reduce the image to a desired size.

Raising the enlarger head enlarges the image; lowering it reduces the image. @@@@Type 809 peel-apart instant film. @@and 4 x 5 in. peel-apart instant films. @@@@Heat from the lamp can damage your slide. @@This helps extend the life of the VIEW lamp. When you finish using the Daylab 35 Plus, return the switch to OFF. PRINT: Select PRINT when you are ready to make an exposure. The following is the recommended starting point for the various film types: Film Type AGENTA MAGENTA + YELLOW CYAN MAGENTA YELLOW + CYAN or subtract: YELLOW CYAN - MAGENTA MAGENTA + YELLOW CYAN MAGENTA YELLOW + CYAN CYAN + MAGENTA YELLOW CYAN MAGENTA + YELLOW YELLOW + CYAN MAGENTA 11 1 Slide the automatic exposure switch (m) to the setting appropriate for the type of film you are using. @@@@3 Set the VIEW-OFF-PRINT switch (I) at PRINT.

@@Most slides will print well with no fitration. @@@@Caution: To steady the Daylab 35 Plus as you remove the 8 x 10 dark slide, grip the enlarger head handle on the left side of the Daylab 35 Plus (the side opposite the side of the dark slide). Do not try to steady the Daylab 35 Plus by placing your hand on top of the enlarger head as you can lose your cropping and focusing settings. 12 Processing the Film 6 Press the START button (j) to expose the film. Press the button gently. 7 After exposing the film, gently insert the focusing panel or dark slide (f) back into the film holder, as far as it will go. 8 x 10 base: After inserting the dark slide into the film holder, remove the film holder from the base. With your left-hand thumb, release the locking device as shown in the illustration below. At the same time, grip the film holder with your right hand, as shown, and pull the film holder out of the base. To process the film, follow the instructions that come with your Polaroid film holder.

Wait the required processing time. Continue processing the film as directed in your film holder instructions. Caution: The Polaroid instant film process uses a caustic paste. Avoid contact with skin, eyes and mouth and keep away from children and animals. If you get some paste on your skin, wipe it off immediately and wash with water to avoid an alkali burn.

If eye or mouth contact occurs, quickly wash the area with plenty of water and see a doctor. Keep discarded materials away from children, animals, clothing and furniture. 13 Possible Problems, Causes The image is blurred, out of focus Most likely causes are: · An original slide not in sharp focus. · Too much pressure applied when pressing the START button (j) to expose the print, causing the enlarger head (a) to vibrate or move. · Altered focus settings from pressing on the top of the enlarger head (a) while pulling the dark slide/focusing panel (f) out of the film holder.

The print is blank Most likely causes are: · Forgetting to press the START button (j) to expose the film. · Forgetting to move the VIEW-OFF-PRINT switch (I) to PRINT before pressing the Start Button(j) to expose the film. (No exposure will have been made.) · Leaving the previewing door (n) of the film-holder base (g) open while pressing START(j) to expose the film. · Leaving the focusing panel/dark slide (f) inserted in the film holder while making an exposure. · While using a Polaroid Model 545i or Pro Film Holder (for 4 x 5 in. sheet film), the negative came out with the cover. Make sure the sheet is pushed all the way into the holder. If the holder is bent or has matter jammed inside, it may not be able to grasp the negative. The print is too light or too dark Most likely causes are: · An original slide over- or underexposed.

The Daylab 35 Plus cannot enhance an improperly exposed original image. · An over- or underexposed print. If the print is overexposed, decrease exposure with the manual exposure adjustment dial (k) by -1 or more depending on the severity of the overexposure. If underexposed, increase exposure with the manual exposure adjustment dial by +1 or more depending on the severity of the underexposure. If the print is severely underexposed, you may need to increase exposure by selecting a higher setting (setting 2 or 3) with the automatic exposure switch (m) or possibly expose the print more than once. The image printed backwards The slide is incorrectly oriented on the slide carrier (i). Be sure that the image projected on the focusing panel or dark slide appears as a mirror image of what you want for your final print. Lamp replacement Contact Polaroid for information on replacement lamps and installation instructions. See For Information or Assistance on page 15. Other film-processing problems For other problems specifically related to film processing : black edges, missing corners, spots or streaks on your prints, see your film holder instructions for possible causes.



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A frequent cause of film-processing problems is dirty rollers. Inspect the film rollers in your film holder frequently and keep them clean. @@@@Also, you can change the orientation of an image by rotating your slide 90 degrees on the slide carrier. Note: When using the 3 1/4 x 4 1/4 base, you cannot print the full format of your slide. As you zoom out to project an uncropped image of the slide, you lose approximately 1/16 in. from the horizontal dimension of the image. Using more than one slide at a time you can also use the Daylab 35 Plus to print a single image from two slides. Remove the two 35mm slide transparencies from their original mounts, lay one slide on top of the other, and align them carefully to compose your picture. Then, place the slides together in a single mount to keep the image properly aligned. The Daylab 35 Plus automatically adjusts the exposure to compensate for the second slide.

Remember, however, that you can fine-tune the exposure by overriding the automatic exposure setting with the manual exposure adjustment dial (k). 15 15 Your Daylab 35 Plus 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. The warranty excludes lightbulbs and the timer battery. This warranty excludes consequential damages.

For further information or warranty assistance with the Daylab 35 Plus or for information or assistance with the Polaroid image transfer process, call Polaroid Corporation, toll-free at 1-800-343-5000, Mon.-Fri., 8 AM to 8 PM (Eastern Time). For Service: Before returning the Daylab 35 Plus for service, contact Polaroid Corporation at 1-800-343-5000 for shipping instructions and service information.

Polaroid Corporation provides referral and shipping assistance with the Daylab 35 Plus with the consent of Daylab and solely as a service for Polaroid customers. This service shall not be construed to warrant or represent the function, fitness, workmanship or design of any non-Polaroid products. 16 To order Daylab 35 Plus parts or accessories, call Polaroid Corporation toll-free at 1-800-343-5000, Mon.-Fri., 8 AM to 8 PM (Eastern Time). Item Order number Description Complete slide-enlarging system for use with Polaroid 4x5 instant peel-apart films; Enlarger head includes: 4 x 5 Film-Holder Base with Graph-Lok Adapter Daylab 35 Plus Multifformat Slide Enlarger 114725 Includes a focusing panel for the Polaroid 545i Film Holder; Polaroid Model 545i, Pro and 550 Film Holders purchased separately Power supply Creative Techniques Brochure Daylab 3 1/4 x 4 1/4 Base 101371 Compatible with the Daylab 35 Plus enlarger head, for use with Polaroid 3 1/4x4 1/4 instant pack films Daylab 8 x 10 Film-Holder Base 619456 Compatible with the Daylab 35 Plus enlarger head, for use with Polaroid 8 x 10 instant peel-apart films; includes a dark slide with a single white side for use with a Polaroid #81-06 Film Holder; Film Holder & Processor purchased separately Compatible with the Daylab 35 Plus enlarger head, includes: Calumet 8 x 10 Film Processor Daylab 8 x 10 Film-Holder Base #619456 Polaroid #81-06 Film Holder #603977 Calumet Processor and Polaroid 8 x 10 Film Kit 619459 Daylab Time Zero Base 625554 Use with Time Zero film for SX 70 Manipulations Note: All film holders & accessories above are interchangeable with the Original Daylab II System 17 Order number 616164 Item Polaroid image Transfer Kit Description Includes: Twin pack of Polaroid Type 669 film Instructions for producing 3 1/4 x 4 1/4 in. format image transfers Speedball burnisher/roller, Chipboard, Plastic Tray, & Watercolor Paper Compatible with the Daylab 35 Plus 4 x 5 Film-Holder base, for use with Polaroid 4 x 5 instant sheet films Compatible with the Daylab 35 Plus the Polaroid 545i Film Holder; 4 x 5 Film-Holder base, for use with Polaroid 4 x 5 instant sheet films Compatible with the Daylab 35 Plus 4 x 5 Film-Holder Base, for use with Polaroid 4 x 5 instant pack films Compatible with the Daylab 35 Plus 8 x 10 Film-Processing Base, for use with Polaroid 8 x 10 instant film Use with Polaroid Holder & Processor Motorized 8x10 Processor Includes one Holder, Loading Tray & 8 x 10 Motorized Processor Polaroid 545 Pro film holder Polaroid 546i Film Holder 100072 617878 Polaroid 550 Film Holder 604030 Polaroid #81-06 Film Holder 603977 Polaroid #81-09 Loading Tray Polaroid 8x10 Processor Polaroid 8x10 Processing System 603978 607224 716568 18 Specifications These specifications are for the standard Daylab 35 Plus enlarger head and 4x5 film-holder base. Feature Weight and dimensions Specification Weight: 8 lbs. Height (minimum magnification): 16 in. Height (maximum magnification): 20 in.

Length: 10 in. Width: 10 in. Built-in, non-removable, 35mm, f/3.5, 4 element: automatically stops down to f/5.6 for printing PS 115 Standard 115 VAC to 12 volt DC power supply: also available: · PS 220 to 240 VAC to 12 volt DC · PS 100 VAC to 12 volt DC Built-in cyan, magenta and yellow filters: adjustable from 0 to 80 cc color correction units in color density; more filtration may be added Automatic sensor, manual override; control provides 5 f-stop range (+/- 2 1/2 f-stops) Built-in electronic Flash exposure system is automatically controlled based on density of slide, subject to manual override Three-speed switch for: 1 Polaroid films 2 mid-range ISO films 3 low ISO films Use settings 2 and 3 for longer exposures of Polaroid instant films Enlarging lens Power supply Filtration Exposure control Exposure system Film ISO control Magnification range 3 1/4 X 4 1/4 base 54 % enlargement capability 4 x 5 base: 60 % enlargement capability 8 x 10 base: 78 % enlargement capability 19 Daylab II kit contents Daylab 35 Plus Kit Contents The chart below lists the Polaroid instant films that are compatible with the Daylab 35 Plus film-holder bases.

(For recommendations on what films are appropriate for specific applications, refer to the chart on page 3 of this manual.) Note: The bases shown below for 4 x 5 in. and 8 x 10 in. films are available as accessories. For a complete listing of Daylab 35 Plus accessories, see pages 16-17 of this manual.

The Daylab 35 Plus kit has several components. Inspect your kit upon opening to be sure it contains the following: Enlarger head 4x5 Daylab base Power supply Polaroid Creative Techniques Brochure This instruction manual Registration card 3 1/4 x 4 1/4 pack films Type 665 Type 669 Polacolor Pro 100 4x5 Pack Films Type 559 Polapan Pro 100 4x5 sheet films Type 55 P/N Type 59 Polapan Pro 100 8x10 sheet films Type 809 Polapan Pro 100 20 The Daylab 35 Plus enlarger head mounted on the 3 1/4 x 4 1/4" film-holder base h Color filtration controls a Enlarger head c Cropping and focusing control d Power supply e Assembly fittings f Dark slide/focusing panel g Film-holder base i Slide carrier j START button k Manual exposure adjustment dial l VIEW-OFF-PRINT switch m Automatic exposure switch n Previewing door .



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