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You can read the recommendations in the user guide, the technical guide or the installation guide for POLAROID STUDIO POLAROID DIGITAL 360. You'll find the answers to all your questions on the POLAROID STUDIO POLAROID DIGITAL 360 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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Studio Polaroid digital 360 Camera



User Guide



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Manual abstract:

Power up the system by switching the power switch on the rear panel of the printer. Attaching the film holder a Place the film holder on the opening on the top of the printer so that its retaining flanges align with the locking mechanism on the printer (6). b Lock the film holder in place by sliding both retaining bars in the direction shown (7). Loading a fresh film pack a Use only Polaroid colour and / or black & white peel apart film b Open the film holder by pulling down the ends of the latch and lifting the cover. 1 Getting started The SPd360 is a still digital based imaging system which allows you to quickly and easily take instant photographs to meet a variety of photo-identification needs. This guide describes all the features of the SPd360. It takes you from unpacking the boxes to setting up the system and trouble-shoots any problems you may have. All bracketed numbers refer to the diagrams in the fold out cover located at the end of the manual. Unpacking System will arrive in 2 boxes as follows a Camera, camera cable, user guide and grey card. b Printer, film holder, power supply, mains cable and Polaroid film.

Carefully unpack the contents of both boxes. Camera parts (1) a Preview screen b Hot shoe c Lens d Live/freeze button e Print format / down button f Menu on / off button g Print / up button h Tripod mount point i Neutral density filter Printer parts (2) a Power switch b Film holder c Locking mechanism d Control panel e Power supply f Dark slide English c Insert a fresh film pack into the film holder (8) with the paper tab facing you. d Check below the top tab (9) to make sure you can see a number of white tabs (one white tab is used for each film exposure.) e Close the film holder making sure the top paper tab is outside the film holder. f Pull the top paper tab out of the film holder (10) keeping the tab horizontal at all times.

Important: Be sure to retract the dark slide before trying to take pictures (11). Store the dark slide in a safe place. System menu The system menu is accessible via the camera preview screen and buttons. Diagram (12) depicts the menu icons and functions listed below a Menu on / off button b Up menu button c Down menu button d Menu select button e Status indicator location f Main menu f1 f2 f3 Memory 1 Memory 2 To set up menu Lighting set up 5 To obtain the best possible results from the SPd360 system, it is essential to set up studio lighting correctly. The system can be used with studio flash (strobe) or flood lighting or an on-board flash.

Minimum distance from subject to lens is 1.5m but for best results set up at a distance of 2m. Studio Lighting Whether using flash or flood lighting, the ideal set up is with two light sources positioned as shown (29). If you are using only one light source, it should be positioned as close to the lens as possible (preferably directly above). Important: It is particularly important when using flash lighting, to ensure balanced lighting of subject and backdrop. If backdrop lighting is used e.g. to remove a shadow behind the subject, it should be set to low power to avoid over-exposing. Saturating the backdrop may cause an imbalance in the image. Onboard flash The SPd360 can be used with a suitable onboard flash unit mounted on the hot shoe.

Polaroid supply "description" as an optional accessory. Contact your nearest Polaroid office / distributor for more information. Selecting lighting mode Step through the following procedure to ensure the camera lighting mode applicable to your studio setup has been selected a Enter the camera main menu by pressing the menu on/off button. You will see the main menu (12f) displayed on screen. b Check the status icon in the top right corner of the screen (12e). If the icon matches your lighting set up, press the menu button to exit otherwise proceed to the next step. g Set up menu g1 To white balance menu g2 Lighting - flash mode selected g3 Lighting - flood mode selected h White balance menu h1 h2 h3 6 English g Print format button Press to set the print button to print a 1up, 2up, 4up, 5up, 6up or 9up arrangement. When pressed, the print format also appears in the top right corner of the camera preview screen for a few seconds. h Error indicator Flashes green indicating an invalid printing condition - for more information see troubleshooting. Capturing an image You are now ready to take a test picture a Check your image is correctly framed on the camera preview screen.

b Press the silver live / freeze button to capture the image. c If you are dissatisfied with the captured image on screen, pressing the live / freeze button again will return you to "live" mode. d Pressing the live / freeze button once more will capture another image. Exposure correction If exposure correction is needed see below. If image is too dark If image is too light Decrease the Increase the exposure value (e.

v.) exposure value (e.v.) or Move lights away Move lights closer from the subject to the subject or or Increase light output Decrease light output Note that there may be differences between the preview screen image and the photo image so you may need to return to this table after printing a test picture. Printing the captured image a You must have a captured image on the preview screen in order to print.

b If you have not already done so, retract the dark slide from the film holder (11). c Use the down button to highlight the set up icon (12f3) and press select. d In the set up menu, use the up and down buttons to highlight the lighting selector icon (12g2) and press the select button. e Use the up and down buttons to select either flash or flood lighting. Ensure your selection matches your studio set up and press the select button to save. f Press the menu button to exit the menu. 2 Taking pictures Before taking a test picture, familiarise yourself with the printer functions Printer settings (13) a Print button and indicator Press to expose the captured image on to film. The print indicator flashes green for the duration of the print cycle. b Out of film indicator Flashes green when the film holder is empty. c Pull white tab indicator Flashes green when an image has been printed signalling to you to pull the white film tab.

d Film peel time indicators Flash green for the development period of the processed film and give a single beep when the film is ready to be peeled. e Film types Press to match the printer to the film type loaded in the film holder i.e. colour or black & white film. f Skin tone function Press to yield the best possible exposure to suit your subject's skin tone i.e. select the darkest icon if your subject is darker than your average customer's skin tone. English c Check that the printer is in the desired film mode i.e. colour or black & white film setting, and that the corresponding film is loaded in the film holder. d Select a print arrangement using the print format switch on the camera or printer.

The print format appears in the top right corner of the camera preview screen for a few seconds when either of these buttons are pressed.



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e To print, simply press the print button on either the camera or printer. Printing takes 30-60 seconds during which time the print indicator on the printer flashes green and a thumbnail of the printing image is displayed in the top right corner of the camera preview screen. f When the printing is complete, the printer beeps and the pull tab indicator flashes green. @@@@h The printer now starts counting the development time of the film.

@@@Important: The film uses a caustic paste. @@@@You will see the main menu (12f) displayed on screen.

@@@@@Contact your nearest Polaroid office for information on p.c. software for long term storage of images.

@@You will see the main menu (12f) displayed on screen. @@c Press the live/freeze button to select the chosen image memory. @@@@However if you are using two different film holders, for example, one for colour and one for black & white film, you may need to switch holders from time to time.

Improving the focus setting The lens range markings can be used to focus the image if the subject distance is known. For a more accurate setting: a Adjust lens aperture to the maximum setting (f/1). b Adjust lighting to stop image saturation (e.g. switch off studio lights). c Move camera to correctly frame the subject on the preview screen. d Adjust the zoom lens to it's most telephoto (highest magnification).

e Focus lens on the subject. f Re-zoom to correctly frame the subject on the preview screen. g Return aperture setting and lighting to original configuration.

Approximate depth of field See below been adjusted they must be manually reset. Printer calibration procedure A periodic print head calibration is recommended to ensure optimal printer performance. This operation should be performed once per week and will only take a few minutes. a Press and hold the print button and print format button simultaneously (23) whilst powering up the system. b You will see both the film mode indicators display green for the duration of the calibration process. c The process takes approximately two minutes after which the printer is ready for normal use. Important: Light is emitted from the print head during this procedure.

The dark slide must be in position to stop any accidental exposure of the film. Test print mode An internal colour test chart (24) can be generated and printed to verify the correct function of the printer. Press the print button and hold for a few seconds during power up and the test chart will be exposed on to the film.

10 English Head size overlays Use the head size overlays supplied to accurately frame your subject and ensure that your photographs meet your intended document's specifications. a Tear off the overlay applicable to your country.

b Place the overlay on the camera preview screen ensuring the top and bottom tabs slip between the moulding and screen (31) holding the overlay in place. c Adjust the camera position and zoom to fit the subjects head within the oval printed on the overlay. Troubleshooting This checklist should help you correct the most common problems that you may encounter with the system. If the problem persists, unplug your unit and contact your nearest Polaroid office. System errors: Symptoms Checklist 4 Tips and troubleshooting Picture tips The quality of the shot greatly depends upon correct lighting.

This section details how you can improve your studio lighting set-up. The 4 light sources discussed are as follows: Main lighting (25): Soft light source using a flash with an umbrella, soft box or other reflector. Preferably at an angle of 45° to the axis of shooting and at a distance of 2m from the subject. Fill-in lighting (26): Weaker and more diffused light than the main light source. Positioned opposite the main light source to soften harsh facial shadows according to setting, light intensity and/or distance. Background lighting (27): Positioned close to the floor behind the subject to eliminate the shadows cast by the person onto the background. Overhead lighting (28): Gives depth to the photograph. Produces subtle lighting effects on hair and shoulders. This source of lighting should be positioned between 70cm and 1m above the head. (Please ensure that it is not reflected in the lens.

) Example of a professional lighting set-up (29): Use all 4 light sources described above to achieve optimum results: a Main lighting b Fill-in lighting c Background lighting d Overhead lighting (if necessary with honeycombed diffusing screen) Example of a simplified lighting set-up (30): If space is restricted we recommend the following solution: a Main lighting b Secondary lighting comprising a white reflective screen c Combined background lighting and, if necessary, overhead lighting · cable connections made? System will · LED on power supply on? not power on · rocker switch on printer rear panel on? · power to the system? @@view screen · lens cap removed and aperture opened? Out of film · film loaded? indicator · film holder in place? flashing green · captured image on Cannot send screen? @@The monitor will not display the live image. @@@@On exposure on power up there would print have been no signal that the film had already been exposed. Nearly black or · dark slide retracted? solid black · correct lighting mode image selected? Green / yellow · does film mode selected print match loaded film type? Repeated white · dirt on the film holder rollspots on film ers - clean rollers. Curtain shaped mark or streak on film Undeveloped edges or corners of film · hesitation during pulling of film tab - always pull the tab out in one uninterrupted motion. · pulling the film tab out at an angle which prevents the developer from spreading evenly over the film. Camera sensor specification 1.4 Megapixel progressive scan CCD sensor Camera preview screen specification PAL format composite video 4" TFT 480 x 234 dots 160 x 3 x 234 pixels Adjustable viewing angle Printer specification Film specification Use only Polaroid colour and / or black & white peel apart film. EMC statement Polaroid warranties that this product complies with the following directives: 89/336/EEC, 73/23/EEC, 93/68/EEC Safety: EN60950 EMC: EN50081-1(1992) EN55022(1994) Class B EN500082-1 (1998) EN61000-4-2 (1995) EN61000-4-3 (1996) · picture not developed Muddy looking long enough - develop print images for full time recommended. Very light · film has been greatly image or none overexposed to light. at all 5 Additional information Software applications Polaroid offers a range of software for use with the SPd360.

Contact your nearest Polaroid office / distributor for more details. 12 English ENV50204 (1995) EN61000-4-4 (1995) EN61000-4-6 (1996) Safety instructions As with any electrically operated equipment, basic safety precautions should be observed. Remember: 1 Follow all instructions. 2 Do not leave unit unattended. 3 If unit will not be used for extended period of time unplug from the electrical outlet.



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4 Do not operate unit which has been dropped or damaged until it has been examined by authorised service centre. 5 Before storing, allow unit to cool completely. 6 To avoid electric shock hazards, do not immerse unit in water or other fluids. Do not operate unit near water or with wet hands. If service or repair work is required, contact authorised service centre.

Incorrect re-assembly can cause shock when unit is used subsequently. 7 Close supervision is necessary when unit is used by or near children. 8 The use of accessories other than those recommended may cause risk of fire, electric shock or injury. PLEASE KEEP THESE INSTRUCTIONS. SPd360 warranty/service Since 1947, Polaroid has been the world's leading manufacturer of instant imaging products for consumers and businesses alike. Over the years, customer needs have changed, and so has technology - but the importance of high quality service has endured. As more and more products are built with digital technology, and product downtime becomes more and more critical, Polaroid has built a service infrastructure to ensure a rapid response to any issues that you encounter. Polaroid always aims to produce products of the highest quality and to support them with the service you need to keep your business running smoothly. Please contact your nearest Polaroid office for more information. a i b g f e c 1 d h f c b 2 d g h i a e f 3 4 b c d 5 6 7 8 9 10 10 11 b h h1 g3 h2 g1 f f1 e a c d g2 f2 h3 g4 f3 12 a h g f b e c 1 13 2 3 d 14 15 16 17 18 19 20 21 22 23 24 25 26 27 b c 28 29 a d b c a 30 31 .



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