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You can read the recommendations in the user guide, the technical guide or the installation guide for COMPAQ PHOTOSMART E427. You'll find the answers to all your questions on the COMPAQ PHOTOSMART E427 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual COMPAQ PHOTOSMART E427
User guide COMPAQ PHOTOSMART E427
Operating instructions COMPAQ PHOTOSMART E427
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HP Photosmart E427

Digital Camera

hp

User Guide

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Manual abstract:

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....31 A 4 1 Getting started Use this section to get familiar with camera controls, set up your digital camera for use, and begin taking pictures.
Camera top, back, and side 1 2 3 4 5 6 8 1 2 7 Shutter button--Captures images (see Taking still pictures on page 10) or records video clips (see Recording video clips on page 10). Live View/Playback button--Switches between Live View and Playback (see Taking pictures and recording video clips on page 10 and Reviewing images and video clips on page 15). and buttons--Scroll through menus and images and access digital / to zoom out (see zoom. While in Live View, press / to zoom in; press Digital zoom on page 11). Power light.
button--Displays camera menus, selects options, and confirms actions. Delete button--Accesses the Delete function while in Playback (see Deleting images on page 16). Image Display. USB connector. 3 4 5 6 7 8 HP Photosmart E427 Digital Camera 5 Chapter 1 Camera front, bottom, and side 1 2 3 7 6 4 5 1 2 3 4 5 6 7 Self-Timer/Video light--See Using the Self-Timer mode on page 13. Flash. Microphone. Focus switch--Switches between Macro and the focus range settings on page 11). Tripod mount. Battery/Memory card door.

Lens cover/Power switch--Turns the camera on and off and protects the lens while the camera is off. Normal focus (see Using Before taking pictures
Complete the following procedures before taking pictures or recording video clips. Install the batteries 1. 2. 3. Open the Battery/Memory card door by sliding the Battery/Memory card door toward the bottom of the camera. Insert the batteries. Close the Battery/Memory card door. Note Turn off the camera before removing the batteries. If using rechargeable NiMH batteries, fully charge the batteries before using them the first time (see Recharging NiMH batteries on page 28).
6 Turn on the camera To turn on the camera, slide the lens cover open until it clicks, uncovering the lens. To turn off the camera, slide the lens cover closed until it clicks, covering the lens. Caution When sliding the lens cover, keep your fingers clear of the lens. Fingerprints on the lens can impair the quality of the picture. Choose the language The Language setting you choose also determines the default date and time format.
Use . to choose the language you want, then press To change the language later, use the Setup menu (see Using the Setup Menu on page 20). Set the date and time Accurately setting the date and time will help you locate images once you have transferred them to your computer, and will ensure that images are accurately marked if you use the date and time imprint feature. See Date & Time Imprint under Using the Capture Menu on page 12. 1.
2. 3. Use to adjust the highlighted value. Use to move to the other selections and repeat Step 1 until the date and time are set correctly. Press when the date, time, and format settings again to confirm. are correct, then press To change the date and time later, use the Setup Menu (see Using the Setup Menu on page 20). HP Photosmart E427 Digital Camera 7 Chapter 1 Install and format an optional memory card This camera supports standard and high speed, HP-branded Secure Digital (SD) memory cards, 16MB to 1GB. 1. 2. 3.

Turn off the camera and open the Battery/Memory card door. Insert the optional memory card in the small slot as shown. Make sure the memory card snaps into place. Close the Battery/Memory card door and turn on the camera. Always format new memory cards before first use. Formatting removes all images from the memory card, so make sure to transfer existing images before formatting (see Transferring and printing images on page 18). 1. With the camera turned on, press until appears briefly in the upper right corner of the Image Display. This indicates you are in Playback. Press .
Use to select Format Card, then press . Use to select Yes, then press to format the card. Note Once you install a memory card, all new images and video clips are stored on the card, rather than in internal memory. To use internal memory and view images stored there, remove the memory card. To transfer images from internal memory to an optional memory card, see Move Images to Card under Using the Playback Menu on page 16.
For information about supported memory cards, see Storage on page 29. 2. 3. 4. Install the software The HP Photosmart Software provides features for transferring images and video clips to your computer, as well as features for modifying stored images (remove red eyes, rotate, crop, resize, adjust image quality, and more).
See the Help feature in the HP Photosmart Software. Note If you have trouble installing or using the HP Photosmart Software, see the HP Customer Care website for more information: www.hp.com/support. Windows If your Windows computer: Has a minimum of 128MB of RAM, Windows XP or x64, and Internet Explorer 5.5 Service Pack 2 or higher (Internet Explorer 6 is recommended), you have the option to install either HP Photosmart Premier or HP Photosmart Essential. Has a minimum of 128MB of RAM, Windows 2000, and Internet Explorer 5.5 Service Pack 2 or higher (Internet Explorer 6 is recommended), HP Photosmart Essential is installed. 8 1. 2.

3. Close all programs and temporarily disable any virus protection software. Insert the HP Photosmart Software CD into the CD drive and follow the on-screen instructions.

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If the installation screen does not appear, click Start, click Run, type D:\Setup.exe, where D is the letter of your CD drive, then click OK. When the software has finished installing, re-enable virus protection software. Macintosh To install the HP Photosmart Mac software, your Macintosh computer must meet the system requirements as stated on the camera packaging. 1. 2. 3.

Insert the HP Photosmart Software CD into the CD drive. Double-click the CD icon on the computer desktop. Double-click the installer icon, then focus range settings, slide the Focus Switch to for Macro or to Normal. The Image Display indicates the setting you have chosen. for Normal Focus (Default)--Use when taking pictures of subjects greater than 1 m (39.

4 in) away. Macro--Use when taking close-up pictures of subjects between 600 mm and 1 m (23.6 to 39.4 in) away. HP Photosmart E427 Digital Camera 11 Chapter 2 Using the Capture Menu The Capture Menu allows you to adjust camera settings that affect the characteristics of the images and video clips you capture.

1. 2. 3. 4. While in Live View or Playback, press , then use to highlight . Use to highlight a menu option, then press to display the menu option's sub-menu. Use to highlight a setting, then press . Press to exit the Capture Menu. Except as noted, Capture Menu settings remain in effect until they are changed or until they return to their default settings when you turn off the camera. Shooting Modes--For selecting a shooting mode.

Auto Mode (Default)--For taking good shots quickly, when you do not have time to select a special shooting mode. Self-Timer--For capturing images after a 10-second delay (see Using the Self-Timer mode on page 13). Landscape--For scenes with deep perspective, such as mountain scenes. Portrait--For pictures that have one or more people as their primary subject. Action--For capturing sporting events, moving cars, or any scene where you want to stop the action. Sunset--For capturing outdoor scenes at sunset. Video--For recording video clips (see Recording video clips on page 10). Auto Flash (Default)--The camera uses the flash if necessary. Red-Eye--The camera uses the flash with red-eye reduction, if necessary, to minimize the possibility of human eyes appearing red in the final image. For information about red-eye, see Flash Setting--Red-Eye on page 14.

Flash On--The camera always uses flash. If the light is behind your subject, use this setting to increase the light on the front of your subject. Flash Off--The camera does not use flash. Use this setting to capture poorly lit subjects beyond the flash range or to capture scenes with the existing light. Night--The camera uses the flash with red-eye reduction, if necessary, to illuminate objects in the foreground, then continues to expose as if the flash had not been used, to gather the light in the background.

Flash Setting--For selecting a flash setting. Image Quality--Sets resolution and compression for images. The greater the number, the higher the resolution. 6MP Best--For enlarging or printing images greater than 28 x 36 cm (11 by 14 in). Normal (6MP) (Default)--For printing images up to 28 x 36 cm (11 by 14 in).

4MP--For printing images up to 20 x 25 cm (8 by 10 in). 12 (continued) 2MP--For printing images up to 13 x 18 cm (5 by 7 in). VGA--For sending images via e-mail or posting them to the Internet. The Image Quality setting remains in effect until you change it, even if you turn off the camera. Date & Time Imprint--Imprints date in lower left corner of image. Off (Default)--No date or time imprinted on the image. Date Only--Date permanently imprinted. Date & Time--Date and time permanently imprinted. The Date & Time Imprint setting remains in effect until you change it, even if you turn off the camera. Exposure Compensation--Overrides the camera's automatic exposure setting.

For more information, see Exposure Compensation on page 14. To make the images you are about to capture brighter, press to increase the value. To make the images you are about to capture darker, press to decrease the value. White Balance--Balances color based on lighting conditions. For more information, see White Balance on page 14. Auto (Default)--Corrects for scene illuminance. For general picture taking. Sun--For outdoor scenes in sunny or cloudy conditions. Shade--For outdoor scenes in shade or at dusk. Tungsten--For indoor scenes with incandescent or halogen lighting.

Fluorescent--For indoor scenes with fluorescent lighting. ISO Speed--Adjusts the camera's sensitivity to light. For more information, see ISO speed on page 14. Auto (Default)--Camera selects the best ISO speed for the scene. ISO 100--For lower light conditions.

ISO 200--For fast moving objects or in dark areas without a flash. ISO 400--For lower light conditions and/or action when short shutter speeds are desired. Note Some Capture Menu options are not available in certain shooting modes. In addition, some do not apply when recording video clips. Using the Self-Timer mode The Self-Timer allows you to take a still image 10 seconds after pressing the Shutter button.

1. 2. 3. 4. While in the Shooting Modes sub-menu, use to highlight Self-Timer, press , then press . Set the camera on a tripod or stable surface. Frame the subject in the Image Display. Press and release the Shutter button. The camera begins the 10-second countdown, then takes the still image. HP Photosmart E427 Digital Camera 13 Chapter 2 Note To add audio to images taken with the Self-Timer setting, see Recording audio on page 17.

The Self-Timer setting resets to the default Auto shooting mode after the picture is taken. Flash Setting--Red-Eye The red-eye phenomenon is caused when light from the flash reflects off the subjects' eyes, which can make human eyes appear red in the captured image. Using RedEye causes the camera to flash quickly up to three times to shrink the subject's pupils (reducing the effect of the red-eye phenomenon) before using the main flash and capturing the image. Since it takes longer to take a picture using this setting, make sure your subjects wait for the additional flashes. Exposure Compensation You can use Exposure Compensation to override the camera's automatic exposure setting. Exposure Compensation is useful in scenes that contain many light objects (like a white object against a light background) or many dark objects (like a black object against a dark background). Such scenes could turn out gray without the use of Exposure Compensation. For a scene with many light objects, increase the Exposure Compensation to a positive number. For a scene with many dark objects, decrease the Exposure Compensation. White Balance Different lighting conditions cast different colors.

This setting allows the camera to compensate for this, reproducing colors more accurately and ensuring that whites appear white in the final image. You can also adjust the white balance to produce creative effects.

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For example, the Sun setting produces a warmer look to the image. ISO speed This setting adjusts the sensitivity of the camera to light. When ISO Speed is set to the default Auto setting, the camera selects the best ISO speed for the scene.

Lower ISO speeds capture images with the least amount of grain (or noise), but result in slower shutter speeds. If taking a picture in low light conditions without a flash at ISO 100, use a tripod. Higher ISO numbers allow faster shutter speeds, and can be used when taking pictures in dark areas without a flash, or when taking pictures of fast moving objects. Higher ISO speeds produce pictures with more grain (or noise) and, therefore, can be of lower quality. 14 3 Reviewing images and video clips You can review and delete images and video clips in Playback as described here.

Using Playback 1. 2. Press until appears in the upper right corner of the Image Display. Use to scroll through your images and video clips (video clips play automatically). to stop the clip; press again to go to the When viewing video clips, press Playback Menu. To switch to Live View, press . 3. During Playback, the Image Display also indicates additional information about each image or video clip. 1 2 3 4 3 0:15 Battery indicator (see Power indicators on page 27). Memory card indicator.

Number of images to print (see Selecting images for printing on page 17). Recorded length of this audio or video clip. Audio clip attached. Video clip indicator. 5 1 of 30 Number of this image or video clip out of the total number of stored images and video clips. HP Photosmart E427 Digital Camera 15 Chapter 3 Deleting images To delete a displayed image during Playback: 1. 2. Press . Use to select an option, then press . Cancel--Returns to Playback without deleting the displayed image.

This Image--Deletes the image or video clip. All Images (in Memory/on Card)--Deletes all stored images and video clips. Format (Memory/Card)--Deletes all stored files, then formats the internal memory or memory card. Using the Playback Menu 1. 2.

3. 4. While in Playback, press . Use to highlight an option. Use to select an image or video clip, press instructions.

Press to exit the Playback Menu. , and follow the on-screen View Thumbnails--See Viewing thumbnails on page 16. Magnify--See Magnifying images on page 17. Print--See Selecting images for printing on page 17. Rotate--Rotates images in 90-degree increments. to rotate the image clockwise or counter-clockwise in 90-degree Use to save the image in the new orientation. increments. Press Record Audio--See Recording audio on page 17. Move Images to Card--Moves images from internal memory to a memory card. Available only if there are images in internal memory and a memory card is installed.

To move images, select this option and follow the on-screen prompts. Viewing thumbnails To view thumbnails: 1. 2. 3. From the Playback Menu, select View Thumbnails. Use and to scroll through the thumbnails. Press to view the highlighted image on the Image Display. 16 Magnifying images This feature is for viewing purposes only; it does not permanently alter the image. 1. 2.

3. 4. From the Playback Menu, select Magnify. The currently displayed image is magnified 2x. Use and to pan around the magnified image.

Press to increase magnification up to 4x. Press again to return to Playback. Selecting images for printing To select an image for printing: 1. 2. 3.

While in Playback, use to display an image you want to mark for printing. From the Playback Menu, select Print. Use to specify the number of copies to print (up to 99), then press . To deselect this image for printing, select Print again, set the number of copies to 0, then press . To select additional images to mark for printing, use to display an image, then repeat Steps 2 and 3. Press to exit the Playback Menu and return to Playback. 4. 5. For information about printing selected images, see Printing images from the camera on page 19. Recording audio Record Audio allows you to record an audio clip and attach it to an existing image.

1. 2. From the Playback Menu, select Record Audio to immediately start recording. To stop recording and attach the audio clip to the displayed image, press . If the currently displayed image already has an audio clip attached to it, the Record Audio sub-menu displays instead when you select Record Audio. Keep Current Clip--Retains the current audio clip and returns to the Playback Menu. Record New Clip--Records a new audio clip, replacing the previous audio clip. Delete Clip--Deletes the current audio clip and returns to the Playback Menu. Note To hear audio associated with still images or video clips, transfer them to your computer using the HP Photosmart Software (see Transferring and printing images on page 18). HP Photosmart E427 Digital Camera 17 4 Transferring and printing images You can transfer images and video clips with or without the HP Photosmart Software that came with your camera.

@@1. 2. 3. @@@@@@@@@@@@@@@@@@@@@@@@@For Windows computers: 1. 2.

3. 4. 5. @@Right-click My Computer on your desktop, then select Explore. @@Select and copy all the images to a folder on your computer.

@@@@@@@@@@1. 2. 3. @@@@Connect the camera and printer using the USB cable that came with your camera, then turn on the camera. When the camera is connected to the printer, the Print Setup Menu displays on the camera. To change the settings, use on the camera to select a menu option, then use on the camera to change the setting. Press to begin printing. Note If you connect the camera to a nonHP printer and encounter problems with printing, contact your printer manufacturer. HP does not provide customer support for non-HP printers. 4.

5. HP Photosmart E427 Digital Camera 19 5 Using the Setup Menu The Setup Menu allows you to set preferences for the camera's behavior. 1. 2. 3. 4. While in Live View or Playback, press , then use to highlight . Use to highlight a menu option, then press to display the menu option's sub-menu. Use to highlight a setting, then press . To exit the Setup Menu, press .

Settings you specify remain until you change them. Display Brightness--Adjusts the brightness of the Image Display. Low--For extending battery life. Medium (Default)--For normal viewing conditions. High--For very bright lighting conditions.

Camera Sounds--Turns the camera sounds (such as button presses and shutter clicks) off and on. On (Default), Off. Date & Time--Sets the date and time. See Set the date and time on page 7. USB Configuration--Specifies how a computer recognizes the camera.

See Connecting to the computer on page 18. Digital Camera (Default)--Recognizes the camera as a digital camera using PTP (Picture Transfer Protocol). Disk Drive--Recognizes the camera as a disk drive using MSDC (Mass Storage Device Class). (Language)--Sets the language. See Choose the language on page 7. About...--Provides information about the camera, including copyright, serial number, and firmware version.

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20 6 Troubleshooting Use this section to find information on: Resetting the camera (see Resetting the camera on page 21) Possible problems and solutions (see Problems and solutions on page 21) Resetting the camera If your camera does not respond when you press buttons, reset the camera.

1. 2. 3. 4. Turn off the camera. Remove the memory card and batteries for at least 5 seconds. Reinsert the batteries and close the Battery/Memory card door. After verifying that the camera works without an optional memory card, reinsert the memory card (if you were using one). When the camera is reset, any images or video clips stored in memory are retained. Problems and solutions Use this information to find solutions to common issues you may have using your camera.

The camera does not turn on. Install new or recharged batteries, ensuring that the batteries are inserted correctly (see Install the batteries on page 6). If you are using rechargeable batteries, ensure they are rechargeable Nickel Metal Hydride (NiMH) batteries. Reset the camera (see Resetting the camera on page 21). Ensure that the memory card is the proper type (see Storage on page 29).

If so, remove the memory card and turn on the camera; if the camera turns on, format the memory card (see Install and format an optional memory card on page 8). If the camera still does not turn on, format the memory card using a memory card reader, or replace the memory card. It takes the camera a long time to turn on. Having a large number of files (over 300) stored on an optional memory card affects the time it takes for the camera to turn on. Transfer stored files to your computer, then format the memory card.

Using the camera under cold conditions slows camera response time. I have to recharge the NiMH batteries frequently. See Extending battery life on page 26. New batteries or batteries that have not been charged recently must be recharged to reach full capacity. If you have not used the batteries for two months or longer, recharge them. If charging the batteries in the optional HP quick recharger does not work, replace the batteries. HP Photosmart E427 Digital Camera 21 Chapter 6 The camera does not respond when I press a button. Turn on the camera. Most of the camera buttons do not respond when the camera is connected to a computer. Replace or recharge the batteries.

Reset the camera (see Resetting the camera on page 21). Check to see if the memory card is defective. If so, replace the memory card. Format the internal memory and/or the memory card (see Install and format an optional memory card on page 8). The camera does not take a picture when I press the Shutter button. Press the Shutter button all the way down. The memory card or internal memory may be full. Transfer images from the camera to your computer, then format the internal memory or the memory card (see Install and format an optional memory card on page 8). Or replace the card with a new one. The camera may be processing.

Wait a few seconds for the camera to finish processing the last image before taking another picture. The Image Display is not working. The Image Display may have timed out. Press any camera button to wake up the camera. Replace the batteries.

If the Image Display still does not turn on, reset the camera (see Resetting the camera on page 21). My image is blurry. Hold the camera steady when pressing the Shutter button, use a tripod, or improve lighting conditions. Set the flash to Auto Flash or Flash On and set the shooting mode to Action. My image is too bright.

Turn the flash off (see Flash Setting under Using the Capture Menu on page 12). Move back from the subject and use zoom. Adjust Exposure Compensation (see Exposure Compensation under Using the Capture Menu on page 12). My image is too dark. Wait for natural lighting conditions to improve, use the flash (see Flash Setting under Using the Capture Menu on page 12), or add indirect lighting. Adjust Exposure Compensation (see Exposure Compensation under Using the Capture Menu on page 12). If the subject you are trying to capture is outside the flash range (see Flash working distance under Specifications on page 29), turn off the flash. This causes a longer exposure time, so use a tripod or hold the camera steady. 22 My image is grainy. Use a lower ISO Speed setting (see ISO Speed under Using the Capture Menu on page 12).

Add indirect lighting, use the flash (see Flash Setting under Using the Capture Menu on page 12), or wait for natural lighting conditions to improve. You may have zoomed in too far using digital zoom (see Digital zoom on page 11). If the camera is warm, the effect will diminish as the camera cools. For best image quality, avoid storing the camera in very hot locations. Images are missing on my camera. Remove the memory card and see if the images are stored in internal memory. If so, transfer the images to the memory card (see Move Images to Card under Using the Playback Menu on page 16). The Power light is on but the Image Display is off, or the camera seems stuck and won't operate. Press Live View/Playback to reactivate the Image Display. Reset the camera (see Resetting the camera on page 21).

The camera responds sluggishly when trying to review images. See Storage on page 29 and Memory capacity on page 30 for tips about memory cards. Video recording terminates abruptly. The video is saved successfully, but it is shorter than expected. Replace your memory card with a faster card.

Look for cards marked High Performance, Pro, Ultra, or High Speed. Video recording terminates abruptly and the video will not play back. Reformat the card (see Install and format an optional memory card on page 8). The camera gets warm (or even hot) to the touch. This is normal.

However, if anything seems out of the ordinary, turn off the camera and allow the camera to cool. Then examine the camera and the batteries for signs of possible damage. For best image quality, turn off the camera when not using. Always store the camera in a cool place. My camera stalls when establishing a connection to the computer. Ensure that the USB cable is properly connected to the camera and computer. Try connecting the USB cable to another USB port on the computer. Turn the camera off, then on again. If that does not fix the problem, reset the camera (see Resetting the camera on page 21). If the problem persists, contact HP Support (see Product support on page 25).

HP Photosmart E427 Digital Camera 23 Chapter 6 I cannot transfer images from the camera to my computer. Either install the HP Photosmart Software (see Install the software on page 8), or see Transferring images without HP Photosmart Software on page 18. Set your camera to act as a Disk Drive (see Connecting to the computer on page 18). I get an error message when transferring images to my computer. Close the HP Photosmart Transfer Software, disconnect the camera from the USB cable and reset the camera (see Resetting the camera on page 21). Then, restart the image transfer process (see Transferring images with HP Photosmart Software on page 18).

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I am having a problem installing or using the HP Photosmart Software. Make sure your computer meets the minimum system requirements (see Install the software on page 8). Refer to the HP Customer Care website: www.hp.com/support. How can I get professional-quality prints if I don't have a photo printer? Use the Buy prints online feature in the HP Photosmart Software (see the Help feature in the HP Photosmart Software for details). Transfer your images to an optional memory card and take the memory card to a retail outlet for printing. 24 7 Product support Use this section to find support information for your digital camera, including links to helpful websites and an overview of the support process. Helpful websites Camera tips, product registration, newsletter subscriptions, driver and software updates, purchase HP supplies and accessories Customers with disabilities HP Total Care, driver and software updates, support information www.hp.com www.hp.com/photosmart (English only) www.hp.com/hpinfo/community/accessibility (English only) www.hp.com/support Getting assistance To get the best from your HP product, consult the following standard HP support offerings: 1. Consult the product documentation. Review Troubleshooting on page 21 in this document. Review the electronic Help section within the software. Visit the HP Customer Care website at www.hp.com/support, or contact the store where you purchased this camera. The HP Customer Care website is available to all HP customers.

The HP Customer Care website is the fastest source of up-to-date product information and expert assistance, including: Fast e-mail access to qualified online support specialists. Software and driver updates for your camera. Valuable product and troubleshooting information for technical issues. Proactive product updates, support alerts, and HP newsletters (available when you register your camera). HP support by phone. Support options and fees vary by product, country/region, and language. For a list of support conditions and phone numbers, visit www.hp.com/support. Post-warranty period. After the limited warranty period, help is available online at www.hp.com/support. Extending or upgrading your warranty. If you would like to extend or upgrade your camera's warranty, please contact the store where you bought the camera or check the HP Care Pack offers at www.hp.com/support. If you already purchased an HP Care Pack Service, please check the support conditions on your contract. 2. 3. 4. 5. 6. HP Photosmart E427 Digital Camera 25 A Managing batteries Your camera uses two AA batteries, either Alkaline, Photo Lithium, or rechargeable Nickel Metal Hydride (NiMH). Alkaline batteries provide far less battery life than either Photo Lithium or NiMH batteries. Top points about batteries Fully charge NiMH batteries before using them for the first time. The first several times you recharge NiMH batteries, they may not provide the number of shots per charge that you expect. Their performance will improve after the batteries have been charged, then discharged completely four or five times. You can use the camera normally to discharge the batteries during this conditioning period. Always insert the batteries in the camera correctly (see Install the batteries on page 6).

If the batteries are inserted improperly, the compartment door may close but the camera will not operate. If you do not intend to use your camera for more than two months, remove the batteries from the camera. The performance of all batteries will decrease as the temperature drops. To improve battery performance, keep the camera or batteries stored in a warm inside pocket when in a cold environment. Extending battery life To conserve battery power, the Image Display turns off after 30 seconds. Pressing any button wakes up the camera. After five minutes of inactivity, the camera turns off. To further extend battery life: Set Display Brightness to Low (see Display Brightness under Using the Setup Menu on page 20). @@Do not place batteries in fire or heat them. Always store charged batteries in a cool location. @@Do not carry or store batteries with metal objects. Do not drop batteries into a change-filled pocket. Do not pierce batteries or subject them to strong impacts or shocks. Do not solder directly onto batteries. Do not allow batteries to get wet. Do not disassemble or modify batteries. @@@@Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage to the eye. Caution Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. 26 Power indicators When the batteries are low, one of the following icons appears in the Image Display. If no battery icon appears in Live View or Playback, the batteries have sufficient power to function normally. Icon Description Battery level is low. Camera will soon power down. Battery is depleted. Camera will power down. Blinking Note If the camera is without batteries for a prolonged period, the clock may be reset and you may be prompted to update it the next time you power on the camera. Number of shots per battery type The following table shows the minimum, maximum, and average number of shots that may be obtained using Alkaline, Photo Lithium, and rechargeable NiMH batteries. Number of Shots Battery Type Alkaline NiMH Photo Lithium Minimum 80 140 300 Maximum 160 230 600 Average 120 200 375 CIPA 110 200 375 For Minimum, Maximum, and Average numbers, four pictures are taken per session with at least a 5 minute break between sessions. In addition: The minimum number of shots is obtained with extensive use of Live View (30 seconds per picture), Playback (15 seconds per picture), and Flash On.

The maximum number of shots is obtained with minimal use of Live View (10 seconds per picture) and Playback (4 seconds per picture). Flash is used on 25% of the shots. The average number of shots is obtained with Live View used for 15 seconds per picture and Playback used for 8 seconds per picture. Flash is used on 50% of the shots. The CIPA number is obtained using the standards established by the Camera and Imaging Products Association. Battery performance The following table shows how Alkaline, Photo Lithium, and rechargeable NiMH batteries perform in different types of use scenarios: Type of Use Most economical if you take more than 30 pictures per month Most economical if you take fewer than 30 pictures per month Alkaline Poor Fair Photo Lithium Fair Good NiMH Good Fair HP Photosmart E427 Digital Camera 27 Appendix A (continued) Type of Use Heavy use of flash, frequent pictures Heavy use of video Heavy use of Live View Overall battery life Low temperature/winter use Infrequent use Want to recharge battery Alkaline Poor Poor Poor Poor Poor Fair No Photo Lithium Good Good Good Good Good Good No NiMH Good Good Good Fair Fair Fair Good Recharging NiMH batteries You can recharge optional NiMH batteries with an optional HP quick recharger.

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For information about recharging NiMH batteries, as well as safety precautions when recharging, see the user's manual that came with your HP quick recharger. 28 B Specifications Resolution Still pictures: 6.0MP (2848 by 2136) effective pixel count 6.4MP (2934 by 2171) total pixel count Video clips (QVGA): 320 by 240 total pixel count, 30 frames/sec Sensor Color depth Diagonal 7.

26 mm (1/2.5-inch, 4:3 format) CCD 30 bit (10 bits by 3 colors). 30 bit images are transformed into an optimized 24 bit image and stored in the JPEG format. This transformation results in no discernible change to color or detail in the stored image, and allows the image to be read by computers. Fixed focal length, f/3.

5 None 5x digital zoom Fixed focus Shutter speed Built-in flash Flash working range Image Display Storage Macro--600mm to 1m Normal--1m to infinity Lens Viewfinder Zoom Focus 1/1000 to 2 seconds Yes, 6-second typical recharge time Maximum with ISO Speed set to Auto: 5 m (16.5 ft) 5.08 cm (2.0 in) color LTPS TFT LCD with backlight, 153,600 pixels (640 by 240) total pixel count 32MB internal flash memory, not all of which is available for storing images and video clips (see Memory capacity on page 30). 32MB SDRAM Slot for memory card.

This camera supports standard and high speed, HP-branded Secure Digital (SD) memory cards, 16MB to 1GB. The number of images or video clips that can be saved in memory depends on the Image Quality settings (see Memory capacity on page 30). JPEG (EXIF) for still images EXIF2.2 for still images with embedded audio Motion JPEG for video clips Compression format Interfaces Standards USB Mini B connector, USB 2.0 full speed PTP and MSDC NTSC/PAL JPEG Motion JPEG DPOF 1.1 HP Photosmart E427 Digital Camera 29 Appendix B (continued) External body dimensions EXIF 2.2 DCF 1.0 DPS Measurements with camera off and lens retracted (width, depth, height): 95.6 mm (W) by 24.2 mm (D) by 55.

2 mm (H) 3.76 in (W) by .95 in (D) by 2.17 in (H) Weight Power 105 grams (3.7 ounces) without batteries Typical power usage: 2.5 Watts (with Image Display on). 5 Watts peak power usage. Power sources include two AA non-rechargeable Alkaline or Photo Lithium batteries or two AA rechargeable NiMH batteries. Temperature range Operational: 0° to 50° C (32° to 122° F) at 15% to 85% relative humidity Storage: 30° to 65° C (22° to 149° F) at 15% to 90% relative humidity Memory capacity Not all 32MB of internal memory is available for storing images, because some memory is used for internal camera operations. The actual file sizes and number of still images that can be stored in internal memory or on a memory card will vary depending on the content of each still image and the length of any associated audio clip.

Image quality The following table lists the approximate number and average size of still images that can be stored in internal memory when the camera is set to different Image Quality settings (see Image Quality under Using the Capture Menu on page 12). 6MP Best Normal (6MP) 4MP 2MP VGA 8 images (1.2MB each) 10 images (1.0MB each) 18 images (600KB each) 21 images (500KB each) 95 images (120KB each) Note The values shown are for images without audio clips. Thirty seconds of audio adds 470KB to the file size.

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