ArcSoft PhotoStudio ReadMe

Welcome to PhotoStudio Version 2.0 for Windows.

This file contains important information, including:

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For your convenience, make a hard copy of this file, and keep the pages handy.

1.   About PhotoStudio Version 2.0
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ArcSoft PhotoStudio v2.0 is a full featured, 32-bit digital imaging program for consumers and professionals. PhotoStudio provides novice and professional users with a complete set of easy-to-use photo editing and retouching tools, as well as a wide selection of special effects and enhancements with unlimited levels of modification and thumbnail previews. Special features include:

- **Complete set of editing and retouching tools** like air brush, bucket fill, paint brush and more
- **Over 40 special effects and enhancements** with unlimited levels of modifications and real-time, thumbnail preview windows
- **ArcSoft's exclusive Album Manager**, an image database that provides easy file searching, drag-and-drop arranging and multiple file retrieving
- **Unique slide show creation** with descriptive text and over 100 transition effects
- **Multiple output options** including full-color, black-and-white, grayscale images and slide shows for publication, presentation or animation

- **Support for TWAIN-compliant scanners and digital cameras**
- **Support for most major file formats including** BMP, TIF, JPG, GIF, PCD, PCX, TGA, EPS and FlashPix
- **Support for Photoshop plug-ins**

2.   System Requirements
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- 486-based PC
- Windows 3.1x, 95, 98 or NT
- 8 MB of RAM
- 6 MB free hard disk space
- CD-ROM drive for installation
- VGA monitor w/16-bit color display
- Mouse

To achieve the best performance, ArcSoft recommends the following:

- Pentium-based PC
- 16 MB (or more) of RAM
- 8 MB (or more) free hard disk space
- VGA monitor w/24-bit color display

Supports:
- Popular image formats including BMP, TIF, JPG, GIF, PCD (read only), PCX, TGA, EPS (write only) and FlashPix
- TWAIN-compliant devices
- Canon, Epson, Hewlett-Packard, Lexmark and other popular printers

3.   Win32s for Win 3.1x Users
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Windows 3.1x is a 16-bit operating system, and PhotoStudio is a 32-bit program. To install a 32-bit program on a 3.1x computer, you will need Microsoft Win32s installed on your system first. For your convenience, Win32s is included on your PhotoStudio CD. You may also download the latest Win32s version from Microsoft's web site at www.microsoft.com.

> To install Win32s, insert the PhotoStudio CD in your CD-ROM drive. From Program Manager, click File/Run and type D:\win32s\Setup.exe (where "D" is your CD-ROM drive) and click OK.

4.   Register Your Software
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Register your software to qualify for free technical support and upgrade information from ArcSoft. To access the built-in registration form: *Windows 95, 98 or NT users,* go to Start/Programs/ArcSoft PhotoStudio/Register & Upgrade. *Windows 3.1x users,* click the Register & Upgrade icon from the PhotoStudio program group. Please fax the completed form to 1-510-440-1270 or mail it to the following address:

ArcSoft, Inc.
Attn: Customer Service
46601 Fremont Boulevard
Fremont, CA 94538

ArcSoft Imaging Suite users: Please refer to the ReadMe documentation enclosed in the Imaging Suite.

5. Contacting ArcSoft
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For questions relating to customer service or ArcSoft, please refer to the "Main" contact numbers below. For questions relating to technical support issues, the ArcSoft website (www.arcsoft.com) is a great technical resource that contains helpful tips and hints, FAQ's and downloads. You may also contact Technical Support at the numbers listed below. Please remember to register before contacting us. To give you the best possible customer support, please provide the following information:

1. Your contact information (name, email or mailing address, phone number)
2. The name and serial number of the product
3. A description of the problem
4. A verbatim description of the error message, if any
5. The operating system (Windows 3.1x, 95, 98 or NT)
6. Any other hardware devices you have installed

Main:

ArcSoft, Inc.	M-F: 8:30 AM - 5:30 PM (PST)
46601 Fremont Blvd.	Phone: 1-800-762-8657
Fremont, CA 94538	Fax: 1-510-440-1270
USA	Email: feedback@arcsoft.com

Technical Support:

Phone: 1-510-440-9901	M-F: 8:30 AM – 5:30 PM (PST)
Fax: 1-510-440-1270	Email: support@arcsoft.com

Websites:
www.arcsoft.com
www.zipshot.com

www.photoisland.com

6.   ArcSoft Web Services
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With PhotoStudio, you have a direct link to ArcSoft's extended Web Services. In Web Services, you can click into your choice of helpful ArcSoft services, such as tips and technical support. You'll find it's easy to stay in touch with ArcSoft!

• **Windows 95, 98 and NT users:** Click Start/Programs. Go to the ArcSoft PhotoStudio menu and click Web Services.

• **Windows 3.1x users:** From your Program Manager, click File/Run. Select the program group titled PhotoStudio and double-click on Web Services.

• **ArcSoft Imaging Suite users:** Please refer to the ReadMe documentation enclosed in the Imaging Suite.

7.   Setting the Virtual Memory in Win 3.1x
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Note: If you are running Windows 95, 98 or NT, use the default memory settings.

The more RAM that is available to run PhotoStudio, the larger the image you can successfully manipulate, and the better performance you can obtain. It is essential to set the virtual memory in your system to the specified amount (depending on the size of the RAM and available hard disk space).

Follow the instructions below to set the virtual memory:
1. From your Program Manager, go to the Main group and double click on the Control Panel icon.
2. Double click on the 386 Enhanced icon.
3. In the 386 Enhanced dialog box, click on the Virtual Memory button.
4. In the Virtual Memory dialog box, click on the Change button to expand the dialog box.
5. Go to the Drive list box and select the drive that has the most available space in your system.
6. Go to the Type list box and select Permanent.
7. Go to the New Size editing box and enter the same value as shown in Recommended Maximum Size.
8. Click OK to activate your new setting and close the dialog box.

8.   Using Windows Explorer or File Manager to Open Images
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By double-clicking on any file in Windows Explorer or File Manager, you can launch the program associated with that particular file format, along with the file. In Windows, this is called File Association. For example, if you double-click on an image file, PhotoStudio will launch, along with the image. If you find that a different program (other than PhotoStudio) opens, you can change the File Association settings in Windows so that specific file types open with specific programs. Here are instructions on associating image files with PhotoStudio. (For more detailed information on "File Association" or "Associating Files" consult your Windows manual.)

Win 95, 98 and NT users:
1. Open Windows Explorer and click once on an image file (e.g. JPG)
2. While holding down your shift key, right-click on the file.
3. Select "Open With" from the menu.
4. Choose Other…
5. Locate the Pstudio.exe file and double-click on it.
6. Make sure the "Always Use This Program..." checkbox is checked.
7. Select OK. Now whenever you click on a file of this type, PhotoStudio will open automatically.

Win 3.1x users:
1. Start File Manager and Select File: Associate.
2. Type in the file type you would like to associate with PhotoStudio (JPG for example).
3. Click Browse.
4. Locate the Pstudio.exe file and double-click on it.
5. Click OK from the Associate window. Now whenever you click on a file of this type, PhotoStudio will open automatically.

9.   Using Online Help
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PhotoStudio has an easy-to-use online Help interface that can be accessed by either clicking on the Help menu or the F1 key. Online Help provides many options to enable you to quickly and easily learn about the program.

To use general help, click on Help from the Menu Bar. Choose between such options as Index, Keyboard, Commands, Procedures or Tools and Palettes. To search for a category or topic, simply click on the Search button. You can either type in the first few words of the topic you are interested in, or scroll through an entire list of topics. Once you've chosen your topic, simply click on the Display button.

To use the context-sensitive help, go to the dialog box or menu item in question and then press the F1 key.

For example, to see online Help on the Slide Show command, pull down the File Menu, highlight the Slide Show command without releasing the mouse button, and press F1 (while still holding the mouse button down). The online Help window will appear, with the information on the Slide Show command already displayed. This lets you get directly to the topic you want without having to search through the help topics and subtopics.

10.   Installing Photoshop Plug-In filters
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PhotoStudio supports Photoshop Plug-In filters for image import, export and special effects. When started, PhotoStudio will first search all the *.8ba (for import), *.8be (for export), and *.8bf (for effects) files in its PLUGINS subdirectory, and then the directories shown in the entry of the PluginDir1, PluginDir2, and 3 etc. in the PSTUDIO.INI file that is located in the Windows directory. If any of these types of files installed in the PLUGINS directory are identified in the path entry in the PSTUDIO.INI file, the Import, Export, and Plug-In Filters submenu will appear in the File and Effects menu respectively, and the filters are listed. Some plug-ins may not be compatible with PhotoStudio. Please consult the plug-in manufacturer in those instances.

11.   Digital Camera and Scanner Support
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PhotoStudio supports digital cameras and scanners that are 100% compatible with TWAIN interface standard for image acquisition. In PhotoStudio, click on Acquire from the File Menu to open the TWAIN interface dialog box. For information on setting up your TWAIN digital camera or scanner, refer to that devices documentation. If you did not receive a TWAIN driver with your camera or scanner, contact the manufacturer directly.

If your device supports multiple image acquiring and you would like to turn on this feature, you may add an entry **MultiScan=1** in the USER section of PSTUDIO.INI located in Windows directory. If your scanner only support memory scan mode, you should add an entry **MemoryScan=1** in PSTUDIO.INI. After modifying PSTUDIO.INI, remember to save it.

12.   File Format Support
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PhotoStudio supports standard variations of the following image file formats: BMP, TIF, JPG, GIF, PCD, PCX, TGA, EPS and FlashPix. However, if you find that one of your images does not open, it may be an uncommon variation that PhotoStudio does not

support. If this is the case, try opening the file with the software that created it. Save the file in a common file format.

13.   Display Quality
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There are a few common questions from novice users when they enter the world of digital imaging. One question concerns how the computer monitor displays the original or edited image. The other question concerns Print Quality, which is discussed in Section 14. Although there are variable factors to consider when working with digital imaging, we provide some specific information that we hope you find helpful.

- **Monitor Setting.** Monitors have specific settings that interpret the data from your image file. Its capability to view color depends on many conditions including how you select your monitor settings. We have provided a few recommendations to enhance your viewing capacity.

  <u>Windows 95, 98 or NT users:</u> Your Windows display should be set on High Color or True Color. (From the Start menu, select Settings/Control Panel. Double-click on Display, then click on the Settings tab.) If you do not have High Color/16-bit or True Color/24-bit, then use 256-color mode. Image and template quality will be lower on this setting.

  <u>Windows 3.1x users:</u> Run Windows setup to change color setting. For details, we recommend you contact your system or video card vendor for help in changing video mode.

- **Image File Formats.** Another important factor that can affect your displayed image is the file format you choose for saving and storing your image file. It is important to review their specific functions below to appreciate how they may affect what you view on your monitor. A file format refers to the way data in an image file is stored on your computer. As the name implies, they are *formats* and therefore produce different results and serve different functions. The format you choose may affect your original and edited images, which in turn affects what you view on your monitor and printout. We recommend you review general digital imaging literature for further information. The following provides a quick overview.

  PhotoStudio supports the following image file formats: BMP, TIF, JPG, GIF, PCD (read only), PCX, TGA, EPS (write only) and FlashPix (FPX).

  BMP is a widely used format in Microsoft Windows and its applications. It is a good selection for saving an image when you still want to perform additional editing later. Although this will be a large file, you can always save it later under a different file format.

TIF (or TIFF) format is the Tagged Image File Format. This works well for transferring images between different computers and is widely used in the printing industry.

JPG (or JPEG) is considered a standard for image compression. This compressed file helps to free up storage space. You can control the rate of compression depending on how much image information you can sacrifice. The higher quality compressed image you want, the less compression you can get. It is capable of retaining millions of colors. It is typically used for storing edited images and is a common format used on web pages, as the compressed file is much quicker to download.

GIF is the Graphics Interchange Format developed by Compuserve. This is an excellent format to use for sending graphics to the web and transferring files between different types of computers or over data lines, because it can minimize transfer time. This format can support up to 8-bit resolution. Note that this format only saves and views images in 256 colors, even if you have your computer set to 24-Bit color. Therefore, if your original image contained more colors, they will not be retained. This format does not support 24-Bit True Color.

PCD is the Photo-CD format developed by Kodak. Images in this format are usually compressed on a compact disc and have several different resolutions available. This format is used for desktop publishing and can be read (but not saved) in PhotoStudio.

PCX is a standard format used by many IBM PC programs. It was originally designed by Zsoft for its PC Paintbrush program.

TGA (or TARGA) format was developed by True Vision, a maker of video boards. Several painting and image enhancement programs use this format.

EPS (or Encapsulated PostScript) is a format used for desktop publishing and can be saved (but not read) in PhotoStudio.

FPX (or FlashPix) was developed by Eastman Kodak, Hewlett Packard, Microsoft and Live Picture Inc. It offers three levels of resolution and uses JPG compression.

14.   Print Quality
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Another common digital imaging question concerns print quality. While there are variable factors involved, here are a few items to consider.

- **Printer Settings.** Like your monitor, your printer has specific settings that print data from your image file depending on the selected settings and system capability. More and more printers on the market provide special options and control functions for printing graphics. Printer manufacturers typically provide extensive information

about operating the settings.

- **Paper Quality.** Paper quality can make a significant difference to your printout (e.g. the smoother surface gives higher quality). For optimal print quality, take advantage of the special paper designed for printing graphics.

- **File Formats.** Another important factor that affects your printed image includes the file format you choose for saving and storing your image file. (*See Section 13 "Display Quality –Image File Formats"*)

15. Tips When Using PhotoStudio
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Keep your computer's memory uncluttered. To free up memory, close the images you are not working with. Close any windows that you do not need. Having a window open will take up memory space. This will decrease the amount of available memory that PhotoStudio has to perform tasks on your active window.

Clear the Clipboard image or replace it with a smaller one if you will not use it any more. Images kept on the Clipboard will also take up space and slow down PhotoStudio.

If you are only working on a small part of the picture, make sure that area is selected. Not only will you speed up PhotoStudio, you will also protect the parts of the picture that you do not want to change.

Even if you are working with the entire image, try editing a small part of the image first. Once you are sure of the edits you want to make, you can go back and modify the entire image. This is an especially helpful technique when you are applying complex effects or filters which take a long time for PhotoStudio to perform.

If a process does not work, there may be a small select area. Even if you cannot see a marquee, there may be a select area that is too small to see, or it may be in part of your image that is not currently on the screen.

To eliminate the possibility that there may be a select area, click on the image screen with the Select tool, or press Delete key. After you do this, the process should begin to work on the entire image correctly.

If a command does not seem to be available, the image may be required to be in either 24-bit color or 8-bit grayscale data type. For example, the Blur and Sharpen functions, and the functions in the Effects menu work only with 24-bit color and 8-bit grayscale images. You can check your image data type from either the "Image Information" command or read from the Status Line (at the bottom of the program windows). To transfer an image data type from one to another, use the Convert commands.

16.   Copyright of Sample Image Files
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The sample image files installed by PhotoStudio 2.0 are the property of ArcSoft, Inc. or their respective companies and are not intended for commercial use or distribution.

17.   End User License Agreement
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If this product was purchased in the United States, this Agreement is governed by the laws of the state of California; otherwise, local laws may apply.

18.   Year 2000 Compliance Statement
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1.   Representations that Software is Year 2000 Compliant

1.1   General Representation. ArcSoft, Inc. represents that all ArcSoft Software is designed to be used prior to, during, and after the calendar year 2000 A.D, and that the Software will operate during each such time period without error relating to date data, specifically including any error relating to, or the product of, date data which represents or references different centuries or more than one century.

1.2   Specific Representations. Without limiting the generality of the foregoing, ArcSoft, Inc. further represents:

1.2.1   The Software will not abnormally end or provide invalid or incorrect results as a result of date data, specifically including date data which represents or references different centuries or more than one century. The Software has been designed to ensure year 2000 compatibility, including, but not limited to, date data century recognition, calculations which accommodate same century and multi-century formulas and date values, and date data interface values that reflect the century.

1.2.2   The Software includes "Year 2000 Capabilities." For the purposes of this Agreement, "Year 2000 Capabilities" means the Software: (i) will manage and manipulate data involving dates, including single century formulas and multi-century formulas, and will not cause an abnormally ending scenario within the application or generate incorrect values or invalid results involving such dates; (ii) provides

that all date-related user interface functionality and data fields include the indication & century; and (iii) provides that all date-related data interface functionality includes the indication of century.

2. Modification of Software; Limitations on Representations

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4. Additional Provisions

4.1   Jurisdiction. The parties agree that all disputes arising among them related to this statement, whether arising in contract, tort, equity or otherwise, shall be resolved only in the United States Federal Courts in the Northern District of California or California State Courts located in Santa Clara County, California. Each party hereby waives any disputes it may have with respect to proper venue.

4.2   Legal Expenses. The prevailing party in any legal action brought by one party against the other and arising out of this statement shall be entitled, in addition to any other rights and remedies it may have, to reimbursement for its expenses, including court costs and reasonable attorneys' fees.

4.3   Governing Law. The validity, construction and enforceability of this statement shall be governed in all respects by the law of California; it shall be applicable to agreements negotiated, executed and performed in California between California corporations, whether one or more of the parties shall be or hereafter become a resident of another state or country, and without reference to conflict of laws principles.

4.4   Amendment. This statement may be amended or modified only in a written document signed by an authorized representative of ArcSoft, Inc.