

PHOTOSHOP 3.0.5 WINDOWS READ ME

This document contains important last-minute product information not included in your Adobe Photoshop 3.0 user documentation. See the Adobe Photoshop Getting Started Guide for installation instructions, and for important information about improving the program's performance, new features, and troubleshooting.

See the new features section in the Getting Started guide for important information about Windows 95 support.

This document contains information on the following topics:

SERIAL NUMBERS

INITIALIZATION AND PREFERENCES FILES

SHARED FILES

WINDOWS 3.1 AND THE WIN32S SUBSYSTEM

WINDOWS FOR WORKGROUPS

WINDOWS 95

WINDOWS NT

OS/2 WARP

INSTALLING QUICKTIME FOR WINDOWS

COMPRESSED DRIVES AND VIRTUAL MEMORY

MULTILAUNCHED VERSIONS OF WINDOWS OR RUNNING PHOTOSHOP OVER A NETWORK

OPENING KODAK PHOTOCD IMAGES

RESIZING IMAGES

RIGHT MOUSE BUTTON

SCANNING WITH TWAIN AND TWAIN_32

UMAX SCANNERS

ENABLING A PRINTER DEVICE TO CONVERT RGB TO CMYK

CHANGING LIMIT ON CLIPBOARD DATA AMOUNT

INCOMPATIBILITIES WITH UTILITIES AND DEVICE DRIVERS

- The Logitech mouse driver
- Pressure-sensitive pens and tablets
- Powertoy utility and color depth
- Mouse hotspot reversed in Photoshop 3.0 and later

ADDITIONAL PERFORMANCE TIPS

IMPORTANT

Please complete your registration card and mail it today if you have not registered electronically. You must register to receive technical support and important product update information.

SERIAL NUMBERS

Your serial number is located on the registration card, on the Read This First Card, and on the first page of the Adobe Photoshop User Guide.

If you have upgraded from an earlier version of Adobe Photoshop, use the serial number of that version, located on the first page of your original Adobe Photoshop User Guide. Standard upgrade packages do not include a new version serial number.

If you have upgraded from Adobe Photoshop LE, use the new serial number that came with the upgrade package for use with the full version of Adobe Photoshop. The serial number you used with your Adobe Photoshop LE product does not work with this version of Adobe Photoshop. If your serial number does not work or if you did not receive a full version serial number in your Adobe Photoshop LE upgrade package, contact the reseller from whom you purchased your upgrade, or contact Adobe at **1-800-833-6687** or **206-628-2749**.

INITIALIZATION AND PREFERENCES FILES

Photoshop's initialization file (Photo30.ini) is located in the "Prefs" subdirectory under the directory where Photoshop is installed. The preferences file (Photo30.PSP) is also located in the same "Prefs" directory.

Previous versions of Photoshop installed these files under the Windows directory.

SHARED FILES

Many files installed by Photoshop, such as Win32s 1.30.167, TWAIN, TWAIN_32, QuickTime 2.01, Kodak PhotoCD, and MSVCRT20.DLL (Photoshop does not install MSVCRT20.DLL under Windows 95 as it is already a part of the Operating System) are shared with other programs. When you install or uninstall other programs that use these shared files, the versions needed by Photoshop may be overwritten or deleted. If you experience problems with features that depend on shared files, reinstall Photoshop.

Note that you must manually uninstall shared files installed by Photoshop if you are running under Win32s subsystem. They are not automatically uninstalled by choosing the Uninstall command.

WINDOWS 3.1 AND THE WIN32S SUBSYSTEM

Under Windows 3.1 and later, Adobe Photoshop 3.0 requires the Microsoft Win32s subsystem to reside on your system. Win32s allows 32-bit applications like Adobe Photoshop 3.0 to run unmodified under 16-bit Windows 3.1 and later. If you are installing under Windows 3.1 (or later) and have selected Typical Install, Compact Install or have checked the Program Files option under the Custom Install dialog, Adobe Photoshop Setup will install Win32s version 1.30 build 167 automatically unless a newer version is present on your system. Setup overwrites older versions of Win32s on your system, but not newer versions.

WINDOWS FOR WORKGROUPS

Under the Windows for Workgroups 3.11 system, you may experience problems with Adobe Photoshop and printing files larger than 40 MB if the Use 32-Bit File Access option selected in the Control Panel > 386 Enhanced > Windows Virtual Memory dialog box. These problems are due to the inability of some system BIOS chips to handle 32-bit file access well. To correct the problem, choose 386 Enhanced from the Control Panel, and deselect the Use 32-bit File Access option.

WINDOWS 95

- If you experience memory errors or errors saving an Adobe Photoshop document, it is recommended that you change the virtual memory minimum and maximum settings in Windows 95 to 2 times the amount of RAM on your system. For example, set the minimum and maximum values in Control Panel > System > Performance > Virtual Memory to 64 on a system with 32 MB RAM. Setting the virtual memory to these fixed values allows Photoshop to control use of the hard drive space for its scratch disk for the best performance, rather than letting Windows 95 manage it. For optimum performance beyond changing your virtual memory setting, designate as your Photoshop primary scratch disk a partition or hard drive separate from the one on which you're running Windows 95.

- Note that under Windows 95, the installer will not prompt you to insert Installation disk #4, which contains compressed Win32s files.

WINDOWS NT

- Running Adobe Photoshop under Windows NT with dual processors can improve by 80% the program's performance on mathematical or computational-intensive operations (such as converting a document from RGB mode to CMYK); by 20% to 30% for less intensive operations; and by 10% for screen redrawing.

- Some third-party plug-in modules—for example, for scanning—may not work with Adobe Photoshop under Windows NT because they are 16-bit whereas Adobe Photoshop is 32-bit. Windows NT requires a 32-bit TWAIN source module to scan images, and will not work with the same scanner software that worked with Windows 3.1. If you experience problems when trying to scan images under Windows NT, try using the scanner manufacturer's TWAIN_32 source module. Contact the third-party manufacturer for information on the availability of 32-bit versions of scanning modules. See also SCANNING WITH TWAIN AND TWAIN_32 in this Read Me file.

- The Adobe Photoshop 3.0 Deluxe CD-ROM includes Apple's system software QuickTime for Windows version 2.01 to run the interactive portion of the Adobe Photoshop Deluxe CD-ROM (see INSTALLING QUICKTIME FOR WINDOWS section below). This version of QuickTime runs on Windows NT 3.51 but

not on earlier versions. If you are running on Windows NT 3.50, the Deluxe CD option will thus not be available during your Photoshop installation, and QuickTime 2.01 will not be installed. If you would like to run the interactive portion of the Deluxe CD-ROM, you should upgrade to Windows NT 3.51 so that QuickTime will be installed and is able to run.

- Adobe Photoshop for Windows is designed to be run under Windows NT for Intel-based systems only. It is not designed (nor was it tested) to be run under the other types of Windows NT such as Windows NT for DEC Alpha or Windows NT for PowerPC.

OS/2 WARP

Adobe Photoshop for Windows is not designed (nor was it tested) to be run under the IBM OS/2 Warp operating system.

INSTALLING QUICKTIME FOR WINDOWS

QuickTime for Windows is required to run the interactive portion of the Adobe Photoshop Deluxe CD-ROM. If you are installing Adobe Photoshop from the CD-ROM and have selected Typical Install or have selected the Deluxe CD-ROM option in the Custom Install dialog box, QuickTime 2.01 is installed in the Windows/System directory. Installing QuickTime 2.01 won't overwrite older versions of the QuickTime Viewer and Player in the Windows/System directory that other applications on your system may need. Installing QuickTime 2.01, however, overwrites other QuickTime for Windows files that may be in that directory. You should move those files from your Windows/System directory before installing if you don't want them overwritten.

COMPRESSED DRIVES AND VIRTUAL MEMORY

Adobe recommends that you do not set either the Windows swap file or Adobe Photoshop's scratch disk to a compressed disk drive.

MULTILAUNCHED VERSIONS OF WINDOWS OR RUNNING PHOTOSHOP OVER A NETWORK

Adobe Photoshop was not designed (nor tested) to be run when Windows is multi-launched over a network. For best results, make sure that each Windows machine has its own copy of Windows and Adobe Photoshop installed on the hard drive.

OPENING KODAK PHOTOCD IMAGES

- Under Windows 3.1, Photoshop 3.0.5 allows opening PhotoCD files when Share.exe is loaded.
- The updated Kodak PhotoCD plug-in included with Photoshop 3.0.5 is able to open 4096-pixel by 6144-pixel resolution (64 base, 72 MB) images from Kodak Pro PhotoCD disks.
- To read PhotoCD disks reliably, you must disable CD-ROM disk caching (Win32s only).
To disable CD-ROM disk-caching:
In the Autoexec.bat file, modify the Smartdrv.exe line using one of two options:
 - Smartdrv.exe /U to turn off disk-caching for all CD-ROMS
 - Smartdrv.exe E- (where E: is the CD-ROM drive letter) to turn off disk-caching for a specific CD-ROM.Consult your DOS documentation for information on how Smartdrive operates.

RESIZING IMAGES

When resizing and resampling large images, note that Photoshop supports a maximum image size of 30,000 by 30,000 pixels. Therefore, if the height of the image is 14 inches, the maximum resolution is 2142 (i.e., $30,000/14 = 2142$). If you edit the resolution of the image, Photoshop will adjust the dimensions accordingly.

RIGHT MOUSE BUTTON

Photoshop does not support context-sensitive pop-up menus activated by the right mouse button. Instead, pressing the right mouse button calls up the Command palette.

SCANNING WITH TWAIN AND TWAIN_32

- Adobe Photoshop 3.0.5 supports the 16-bit TWAIN and new 32-bit TWAIN_32 standards for scanning. Although not automatically enabled in Photoshop 3.0.5, the older version TWAIN32 plug-in modules files are included in the Xtras folder, which is installed along with Adobe Photoshop. To use Photoshop with an older version TWAIN32 module, you must manually install the Twain32.8ba file in the Photoshop\Plugins folder, and the Twain32.dll file in the Windows folder.
- To use TWAIN under Windows 3.1, the Share.exe file must also be loaded.
- Note that Windows NT requires 32-bit TWAIN source modules, and does not work with the same scanner software as the same scanner did under Windows 3.1 or later. Contact the scanner manufacturer for information on the availability of TWAIN source modules that are compatible with Windows NT.
- Scanner drivers are provided and supported by the manufacturers of the scanners, not Adobe Systems. If you have problems with a scanner or during scanning, make sure that you have the latest version of the driver from the scanner manufacturer. Adobe Systems has included the latest drivers and Acquire plug-ins from several major scanner manufacturers, in the Scanner Support folder on the Adobe Photoshop Deluxe CD-ROM. See the Read Me file in the Scanner Support folder on the Adobe Photoshop Deluxe CD-ROM for more information.
- When selecting a TWAIN or TWAIN_32 source, care must be taken to use the correct scanner driver. Both 16-bit and 32-bit scanner drivers will appear in the Acquire > Select Source dialog boxes. To avoid unexpected results make sure that you use TWAIN when working with 16-bit sources and TWAIN_32 when working with 32-bit sources. Contact the scanner manufacturer for information on whether your scanner driver is 16-bit or 32-bit.
- Occasionally a scanner driver will not appear in Adobe Photoshop's Select TWAIN Source dialog box after being installed. This is caused by the directory path being lost when a 32-bit program (Photoshop) calls a 16-bit driver(scanner source). To correct this situation:

- 1)Open Windows Explorer or another file management utility
- 2)Navigate to the Windows/Twain directory

Note: At this point you should see a sub directory within the Twain Directory. This directory was created when the scanner driver was installed and its name usually corresponds to the driver or manufacture's name.

- 3) Move into the Scanner directory.
- 4)Copy the all the files from within the scanner directory back out to the TWAIN directory.

Restart Photoshop and select Acquire > Select TWAIN Source... The scanner driver should now appear as an option in the Source dialog box.

UMAX SCANNERS

You may experience low conventional memory problems scanning with some UMAX scanners, due to the conventional memory requirements of some of its scanners. UMAX has developed a utility called Umaxmem.sys to correct the problem, available on the UMAX electronic BBS at 510-651-2550. As an alternative, contact your UMAX scanner Technical Support provider for more information.

ENABLING A PRINTER DEVICE TO CONVERT RGB TO CMYK

RGB graphics created in Adobe Photoshop 2.5 and later include data called RGB tags that instruct Photoshop to use its own algorithms when converting RGB data to CMYK for separations. Unless RGB tags are disabled, Photoshop converts all RGB data to CMYK rather than letting the printer perform the conversion. When printing to a PostScript Level 2 device, disabling the RGB tags enables the printer to convert the RGB data to CMYK data.

NOTE: You can disable RGB tags in Photoshop 2.5, 3.0.4 and 3.0.5; but not in Photoshop 3.0.1.

To disable RGB tags in Photoshop for Windows:

- 1) Make a backup copy of the Photoshp.ini (Photoshop 2.5x) or Photos30.ini (Photoshop 3.0 or later) initialization file.
- 2) Use a text editor that saves in text-only format and open the original Photoshop initialization file.
- 3) In the [Photoshop] section of the Photoshop initialization file, add this line, exactly as shown:
Disablergbtags=1
- 4) Save the Photoshop initialization file as text-only. Restart Photoshop.

INCOMPATIBILITIES WITH UTILITIES AND DEVICE DRIVERS

The Logitech mouse driver

The current version of the Logitech mouse driver allows programming of the middle and right mouse buttons to accelerate operations in Windows applications. If you try to assign one of these keys to the Undo function, note that the Logitech driver maps the Undo function to the Alt+Backspace keystroke. In Adobe Photoshop, the shortcut for Undo is Ctrl+Z. (Alt+Backspace clears a selection.)

Pressure-sensitive pens and tablets

- After restarting your computer, until you use a pressure-sensitive pen for the first time, the tablet and stylus report a pressure level of zero and using them won't produce paint strokes. Click or drag once with the stylus on the tablet to reset the tablet's pressure sensitivity and to paint.

Under Windows 3.1, Adobe Photoshop 3.0 supports only pressure-sensitive digitizing tablets that are 100% compatible with the Microsoft PenWindows specification. Under Windows NT and Windows 95, Adobe Photoshop 3.0 supports only pressure-sensitive digitizing tablets that are 100% compatible with the WinTab32 specification.

If the pen's highest pressure doesn't reach 100%, a problem exists in the driver software. For the latest driver software, contact the tablet manufacturer at one of the following:

Wacom Technology Corporation: 800-922-6613

Mutoh Corporation (formerly Kurta): 602-276-5533

CalComp: 800-458-5888

Hitachi: 408-747-0777

- Adobe Photoshop 3.0.5 does not support the Wacom tilt feature.

- Painting using the mouse with pressure sensitivity options may cause the pen to paint nothing or to paint only very small dots. To use the mouse as you normally would, turn off the size, opacity, and pressure options in the Tool palette. When you return to painting with the pen, turn the size, opacity, and pressure options on again in the Tool palette options.

Powertoy utility and color depth

After changing the color depth on the image with Powertoy, the color in a Photoshop image may appear different. (Powertoy is a Microsoft utility that allows changing the color depth without restarting the system or the application.) To set the colors correctly, quit the Adobe Photoshop application and then restart it.

Mouse hotspot reversed in Photoshop 3.0 and later

If you are using the ATI Technology Mach64 video card with version 2.0.1 video drivers for Windows 95, it may appear in Adobe Photoshop 3.0.4 or later that a tool pointer's hotspot (the source of action) appears to be reversed. That is, the pointer's hotspot is directly under the upper right of the pointer instead of under the lower left of the pointer. You can reinstall the ATI drivers using the ATI drivers that Microsoft provided with Windows 95; or you can reset the Pointer Trails option as described in this procedure:

- To reset the Pointer Trails option:

- 1) Go to the Start menu, Choose Settings from the Windows 95 Start menu, and choose Control Panel.
- 2) Double-click the Mouse icon.
- 3) Click the Motion tab.
- 4) Select the Show Pointer Trails option.
- 5) Drag the Pointer Trail slider to the left, to the short setting.

- Contact ATI at 905-882-2626 for updated software. Provide the company with your name, telephone number, and Mach64 BIOS part number.

ADDITIONAL PERFORMANCE TIPS

See the Getting Started guide for more information on improving performance.

- When your video driver is set to 256 colors, Photoshop does not redraw the background image when the foreground image is edited. To have Adobe Photoshop redraw every open image when a palette change occurs in 256-color mode, add this line to your Photos30.ini file:

RedrawBkDocs=1

- You can add individual calculation modes to the Commands palette for backward compatibility with Adobe Photoshop 2.5 (in which these modes could be selected individually from the menu). To add calculations modes to the Commands palette, choose New Commands from the Commands palette menu; in the New Commands dialog box, select the Calculations command from the Image menu. The menu command becomes a pop-up menu, allowing you to select a calculation mode directly to assign to the Commands palette.

© 1989-95 Adobe Systems Incorporated. All rights reserved.

Adobe Photoshop, ATM and PostScript are trademarks of Adobe Systems Incorporated or its subsidiaries and may be registered in certain jurisdictions. Microsoft and Windows are registered trademarks and Windows NT and Windows 95 are trademarks of Microsoft Corporation. Macintosh is a registered trademark and TrueType is a trademark of Apple Computer, Inc. IBM, PS/2 and OS/2 are registered trademarks of International Business Machines Corporation. CompuServe is a registered trademark of CompuServe, Inc. LaserMaster is a registered trademark of LaserMaster Corporation. All other brand and product names are trademarks or registered trademarks of their respective holders.

12/22/95