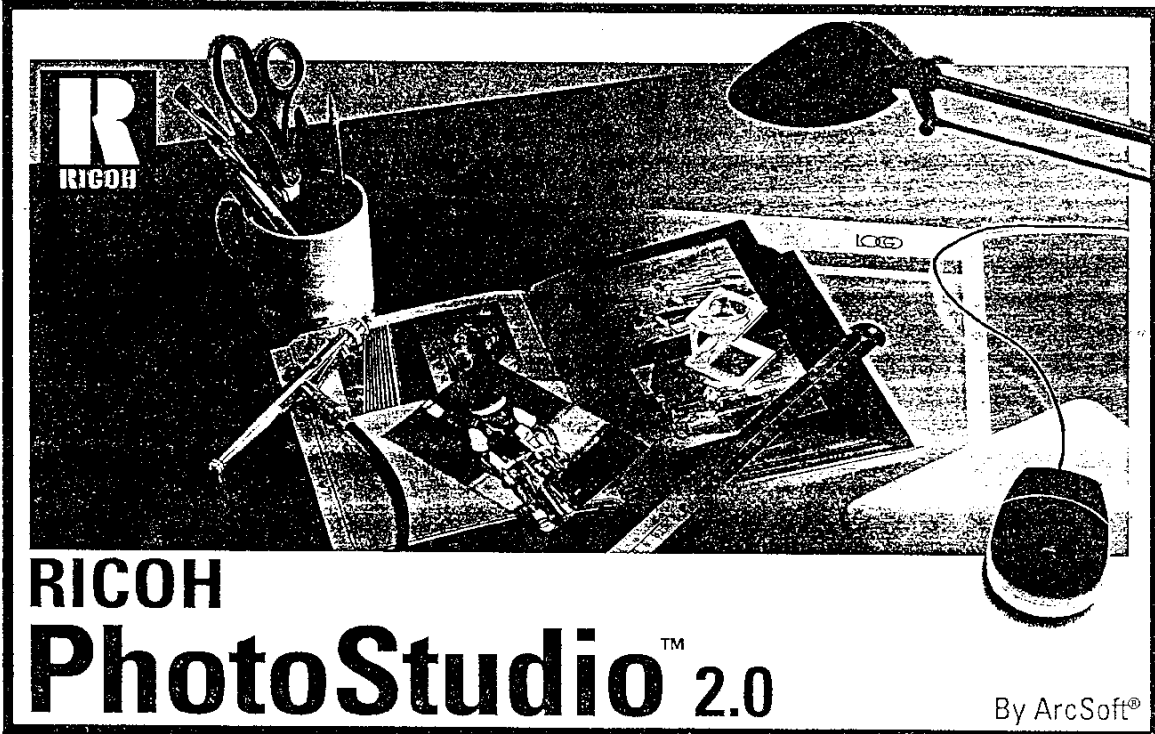# RICOH®

RICOH
PhotoStudio™ 2.0

By ArcSoft®

Chapter 1 - Intro
User Manual

Windows® 3.X, Windows 95® and Windows NT®

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- Free technical support for 45 days to registered users.
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What Ricoh PhotoStudio can do for you

Whether you are interested in multimedia, graphic design, desktop publishing, or video editing, Ricoh PhotoStudio can be the canvas of your imagination.

Ricoh PhotoStudio 2.0 is a powerful and easy-to-use 32-bit digital photo image editing program running on computers with Microsoft Windows 95, NT and 3.1x. It gives you the ability to acquire, manage and output full-color images for publications, presentations, or animations. And whether you are a novice or a professional graphic artist, you can use Ricoh PhotoStudio for a broad range of image manipulations and refinements. The only limit is your creativity.

The following is an overview of some of the features provided in Ricoh PhotoStudio.

With Ricoh PhotoStudio you can:

Work with many different types of images from many different sources

- Fully integrated with Ricoh digital cameras for easily and quickly downloading and uploading photos.

- Acquire images from any digital cameras, scanners or other image input devices that support the TWAIN industry standard.

- Import black-and-white line art (1-bit), color (4-, 8-, or 24-bit), or grayscale images (8-bit) into Ricoh PhotoStudio or export Ricoh PhotoStudio images to other applications. Ricoh PhotoStudio supports many most used image file formats, such as BMP, GIF, PCD, PCX, TGA, TIFF, and JPEG. Ricoh PhotoStudio also supports third party Adobe Photoshop Plug-Ins for import and export.

- Exchange images with other Windows applications (like Microsoft Word, CorelDraw, PageMaker, and PC PaintBrush) through the Windows clipboard.

- Perform data format conversions between 1-bit Black-and-White, 4- and 8-bit Indexed Color, 24-bit RGB True Color, and 8-bit Grayscale images.

Customize your working environment and image view

- Organize your images in convenient working groups using the Album Manager.

- Display your images on screen in timed presentation sequences.

- Modify hue and saturation to correct color shifts created by image input devices.

- Improve image quality with a variety of smooth and sharpen filters.

- Simulate photographic processes with filters like Solarization, etc.

Apply many special effect filters

- Create special effects with the trace contour, oil painting, sketch, film grain, splash, melting, ripple, wrinkle, 3D grid, mosaic, motion blur, emboss, fish-eye, cone, sphere, cylinder, whirlpool, spiral, or ribbon filter.

- Design your own special filters or create infinite 2-D and 3-D special effects by using the powerful User's Filter or Magic Mirror.

- Support third party Adobe Photoshop Plug-In filters for special effects.

Output and send your image quickly and easily

- Print your image in any size and anywhere on a selected paper.

- Send an image e-mail message right from Ricoh PhotoStudio with just one click.

Get complete and comprehensive on-line help

- Call up simple, relevant help information with one keystroke when you have questions.

System Requirements

Before you install Ricoh PhotoStudio, make sure that your system meets the following minimum requirements:

- 386-based PC or better
- Windows 95, NT, or 3.1x
- 4 MB of RAM
- 6 MB free hard disk space
- VGA display adapter and compatible color monitor
- Mouse or other pointing device

Note:

If you are running Windows 3.1x, you should install Microsoft Win32s version 1.3 or later version before installing Ricoh PhotoStudio 2.0. If the Win32s disks (or CD-ROM) is not provided within this package, you may download the program from the Microsoft web site: www.microsoft.com, without charge.

To achieve the best performance, Ricoh recommends the following system configuration:

- Pentium-based PC
- Windows 95 or up
- 16 (or more) MB of RAM
- 16- or 24-bit Super VGA display adapter and compatible color monitor

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About this manual

This manual has three main sections. The purpose of the first section is to acquaint users with Ricoh PhotoStudio's environment, and explain basic concepts in image editing with Ricoh PhotoStudio. The second section serves as a handy reference guide to Ricoh PhotoStudio's tools and functions. The third section - the glossary chapter - provides you with brief descriptions of terms used in Ricoh PhotoStudio.

The reference guide section of this book will tell everything you need to know about functions of tools and how to use them. (A complete reference for the command menu are provided in the on-line help. To know about a command, put the pointer on the command line and press F1 Key.)

Users with little or no experience using painting or digital image processing programs may want to first refer to the Getting Started section of this manual. More experienced users can simply begin using Ricoh PhotoStudio, using the manual for reference.

Other References:

This manual assumes that the user has a basic understanding of Windows. If you are not entirely familiar with the Windows environment or with basic Windows procedures (like using menus, clicking and dragging, and minimizing applications), you should refer to your Windows documentation.

Please remember that Ricoh PhotoStudio has an extensive on-line help file that is available any time you are using Ricoh PhotoStudio.

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- Show, hide, and position rulers and palettes.

- View many images simultaneously.

- View images at different magnification ratios.

Create, retouch or paint images with a wide variety of customizable tools

- Draw and paint on the image using tools like the Pen, Paintbrush, and Airbrush Tools.

- Add labels, captions, or titles with the Text Tool.

- Seamlessly duplicate part of an image in a different area of the image (or even in another image) using the Clone Tool.

- Selectively alter your image using the Smudge, Smooth/Sharpen, Brighten/Darken, and Revert Tools.

Select or mask parts of your image for editing

- Use four different selecting tools to select any part of your image.

- Edit the existing mask, and move it to anywhere you wish.

- Import a mask into an image, or export and save it for future use.

Edit and compose images with full control of options

- Copy and paste selected areas within an image or between different images.

- Fill selected areas with colors, gradients, or predefined patterns.

- Resize, rotate, flip, shift, and skew an image or selected area.

Perform sophisticated image enhancements and color corrections

- Fine-tune the brightness and contrast or adjust the shadows, midtones, or highlights of an image.

- Alter the Color/Gray mapping curves to transform image colors.