Roland ColorChoice™ Software for Windows

User's Manual

Thank you very much for purchasing the FJ-50/40.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The contents of this operation manual and the specifications of this product are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprint or error, please inform us.

Roland

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Welcome

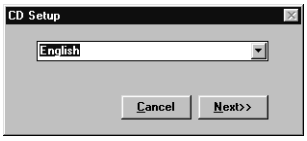
Welcome to the documentation for the Roland ColorChoice™ Software. We believe that you will find the information useful and the software easy to learn.

System Requirements

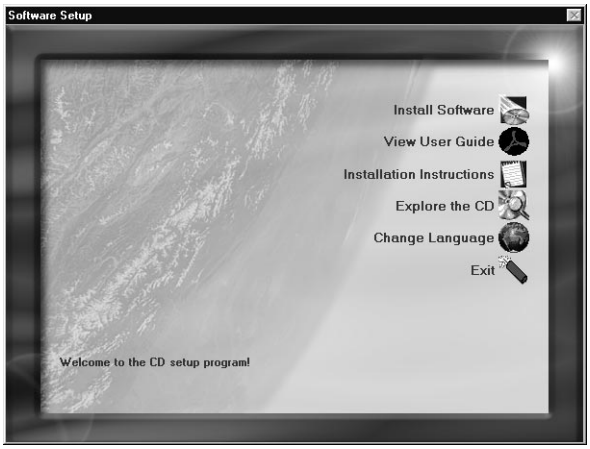
	Minimum Recommended	Recommened
Processor	166MHz Pentium	233 MHz Pentium II
RAM	64MB	128MB+
Install Space	100MB	100MB
Working Disk Space	1GB+	2+GB for storage
Operating System	Windows 95, Windows 98, or Windows NT 4.0	Windows 95, Windows 98, or Windows NT 4.0
Video	14” Monitor, High Colors	17” Monitor, True Color
Other	CD-ROM Drive	CD-ROM Drive
Parallel	ECP Capable	ECP Capable

Windows 95/98 Installation

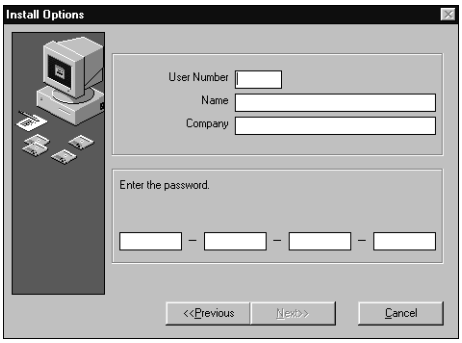
1 Insert the Roland ColorChoice Installation CD into your CD-ROM drive. You are prompted to select a language.



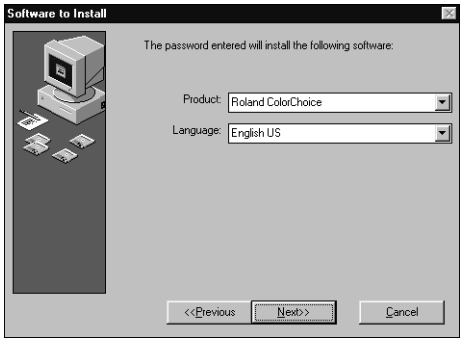
2 Select the appropriate language and click Next. The Software setup dialog box appears.



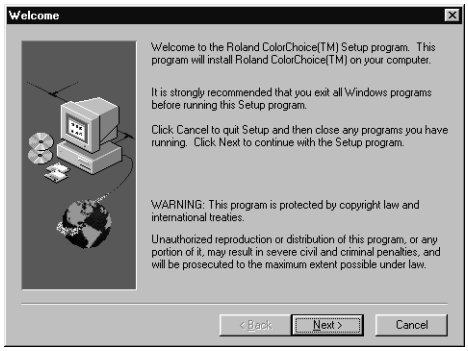
3 Click Install Software. The Install Options dialog appears.



4 In the Install Options dialog box enter all the applicable information, including your user number and password. Click Next. The Software to Install dialog appears.

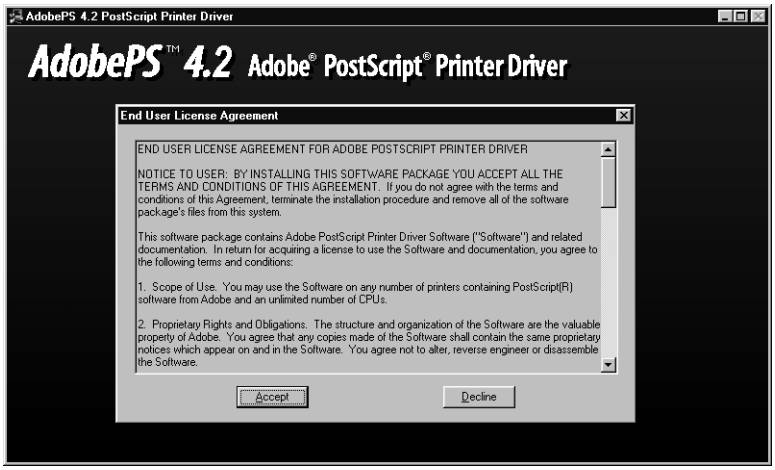


5 Click Next in the Software to Install dialog box. The Welcome dialog appears.



6 Click Next in the Welcome dialog box.
The Choose Destination dialog box appears.

7 Either accept the default destination for your software or create a new one. Click Next when the destination has been chosen. The installer for Adobe PostScript Printer Driver automatically launches.

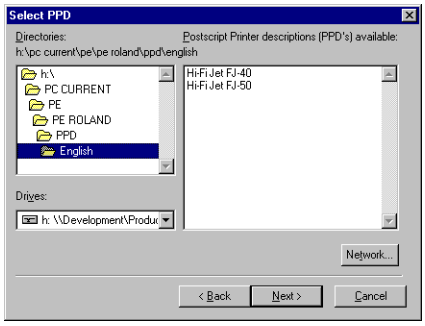


8 Click Accept from the End User License Agreement dialog box.

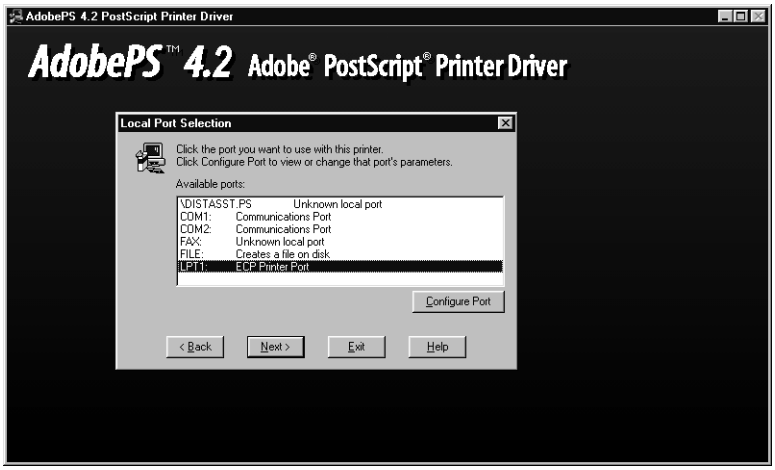
9 Click Next on the Printer Driver Setup dialog.

10 Select No from the Install Setup Program dialog box and then click Next.

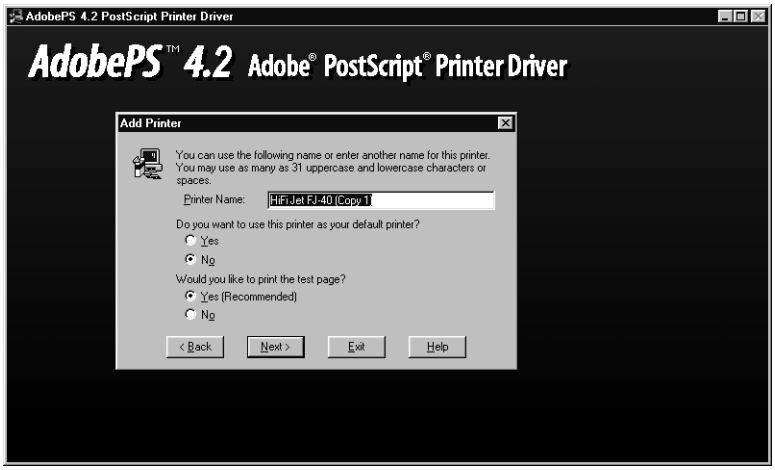
11 Select Local Printer, and then click Next. The next screen asks you to locate the PostScript Printer description file (PPD) to install.



12 The file is located in the PPD folder, located on the Installation CD. PPD's are grouped by language. Select the PPD from the appropriate language folder. Click next when you have finished. The next dialog prompts you for the port to which the printer is connected..

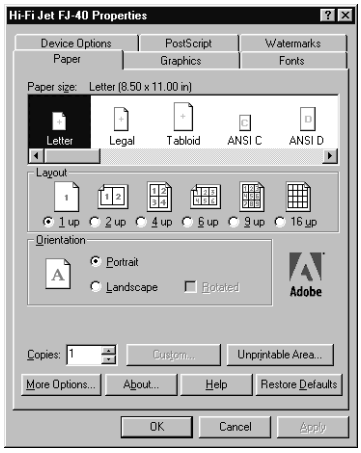


13 Select the port that your printer is connected to from the Local Port Selection dialog box. Click Next.

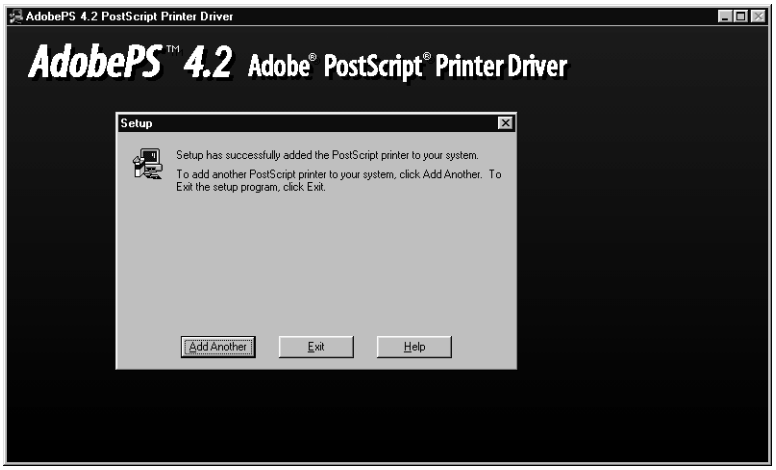


14 From the Add Printer dialog box you may choose the printer as your default printer. You don't need to print a test page, so select No for that option. Click Next.
If the installer detects different versions of files on your system, accept their replacement by clicking Next.

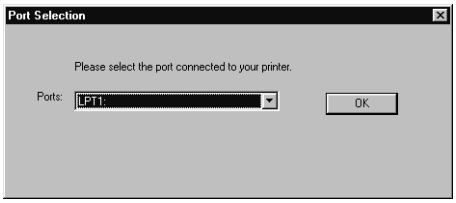
15 The Hi-Fi Jet Properties dialog box appears.



16 Click OK. You are returned to the Adobe PostScript Printer Driver installation.

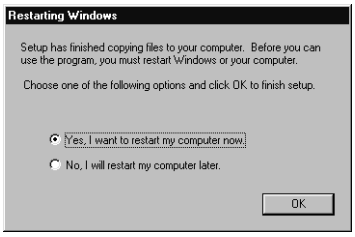


17 Click Exit.



18 Select the port connected to your printer and then click OK.

19 The installer will now install the Roland ColorChoice Software. The last screen asks if you want to restart your computer.



20 Select Yes, then click OK.

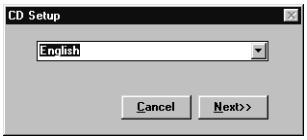
After your computer restarts, the Update Device Driver Wizard may appear. Click Cancel to exit.

You will notice, each time that your computer is started, an icon for the Roland ColorChoice Software in the lower right corner of your monitor. This indicates that your computer is ready to begin printing to the Roland ColorChoice.

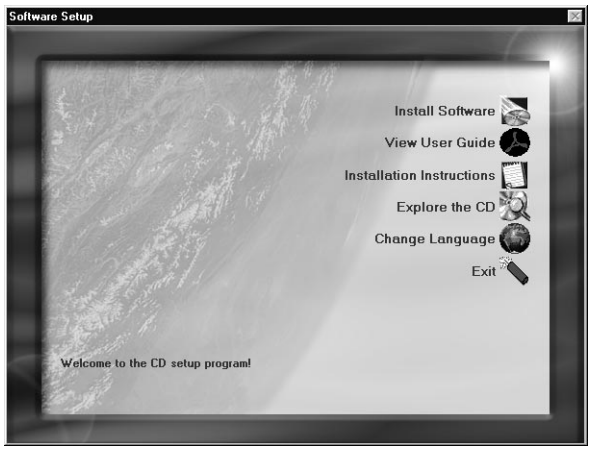
Windows NT Installation

This section describes how to install the software on computers running Windows NT. *The computer on which the software is installed must have Administrator priviledges.*

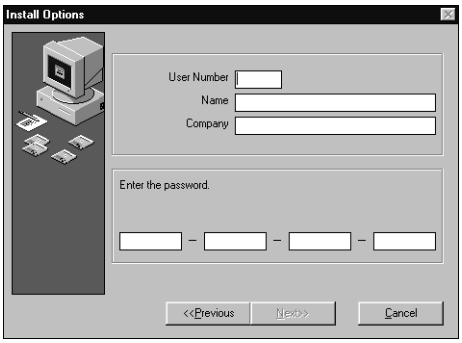
1 Insert the Roland ColorChoice Installation CD into your CD-ROM drive. You are prompted to select a language.



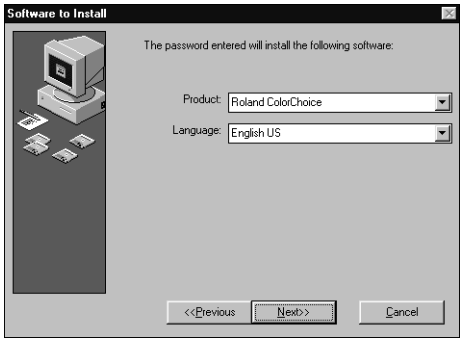
2 Select the appropriate language and click Next. The Software setup dialog box appears.



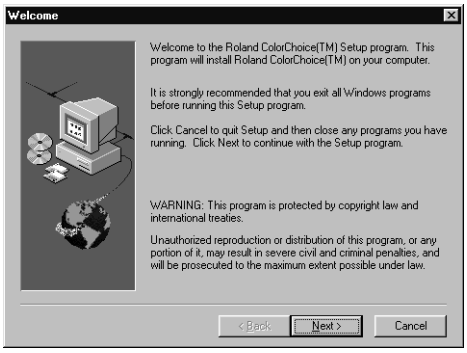
3 Click Install Software. The Install Options dialog appears.



4 In the Install Options dialog box enter all the applicable information, including your user number and password. Click Next. The Software to Install dialog appears.



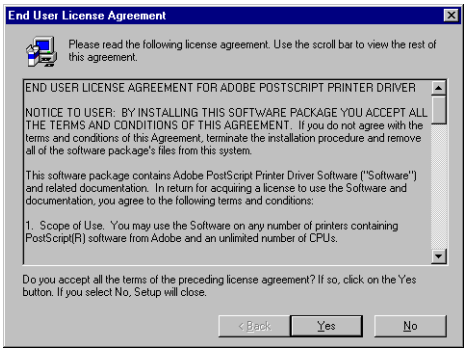
5 Click next. The 'Welcome' dialog appears.



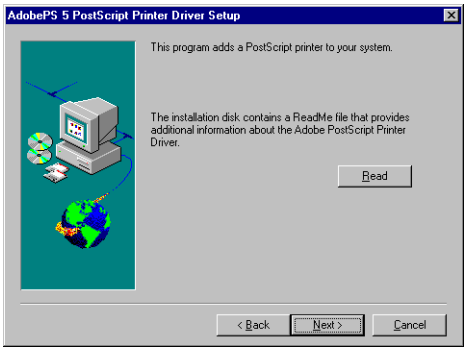
6 Click Next in the 'Welcome' dialog box.
The 'Choose Destination' dialog box appears.

7 Either, accept the default destination for your software or, create a new one. Click Next when the destination has been

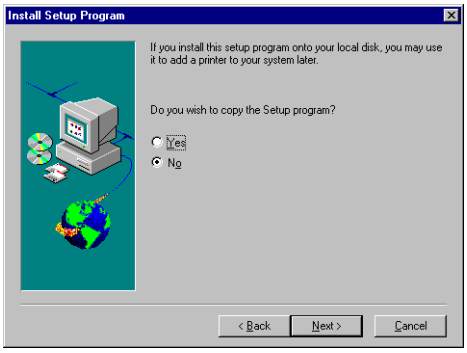
chosen. The installer for the Adobe PostScript Printer Driver automatically launches.



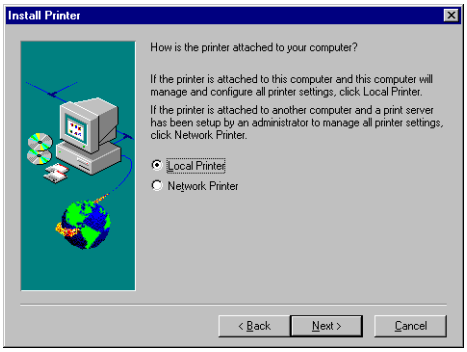
8 Click Yes from the End User License Agreement dialog box. The next screen asks if you want to view the Adobe ReadMe file.



9 Click Next when you are finished. The next screen gives you the option to copy the Setup program.

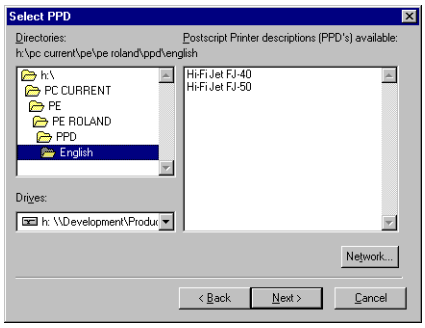


10 Choose No, and then click Next. You are asked to specify how the printer is connected to our computer.

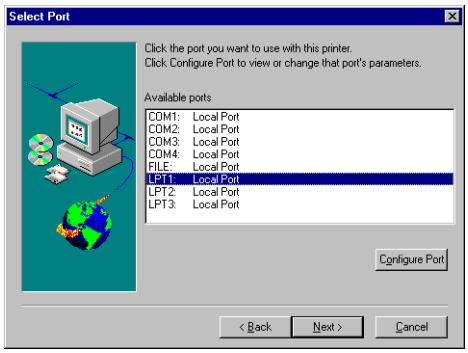


11 Select Local Printer, and then click Next. The next screen asks you to locate the PostScript Printer description file (PPD)

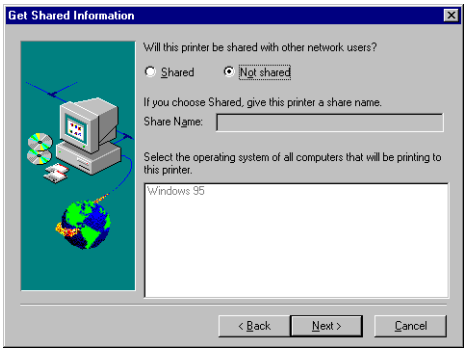
to install.



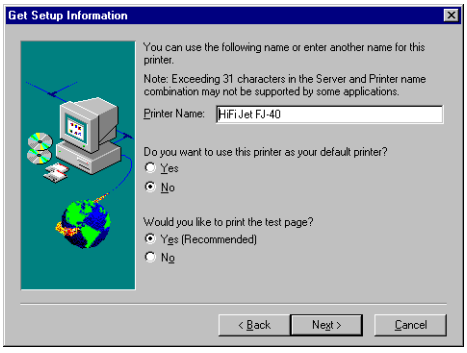
12 The file is located in the PPD folder, located on the Installation CD. PPD's are grouped by language. Select the PPD from the appropriate language folder. Two PPD's appear in the folder. Select the PPD according to the model of your printer. Click next when you have finished. The next dialog prompts you for the port to which the printer is connected.



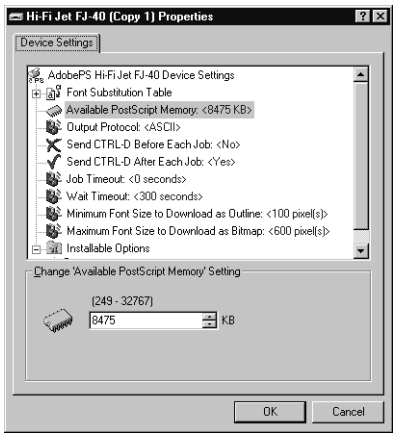
13 Select the appropriate port, and then click Next. The next dialog asks if the printer is shared.



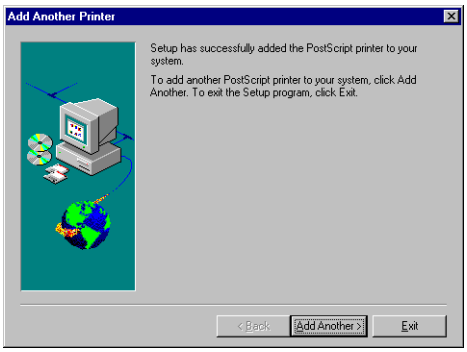
14 Make the appropriate selections, and then click Next. The next screen asks if you would like to print a test page.



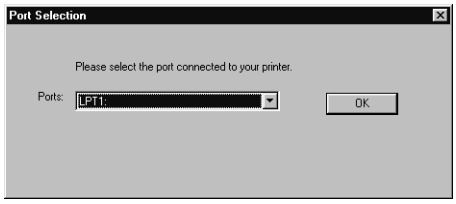
15 Do not print a test page at this time. Click Next. The Hi-Fi Jet Properties dialog box appears.



16 Click OK. The next screen gives you the option to add another printer.

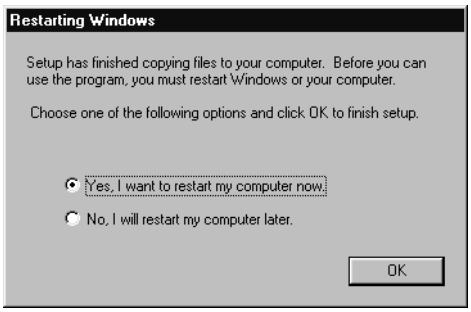


17 Click Exit on this screen. Next, you are prompted for the port to which your printer is connected.



18 Select the port to which the printer is connected, and then click OK.

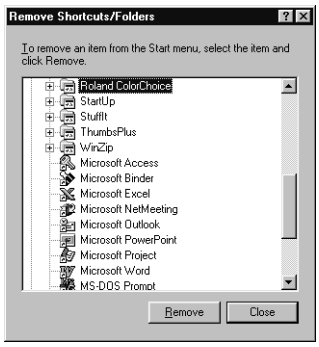
19 The installer will now install the Roland ColorChoice software. Click OK to restart the computer.



20 Restart your computer.

Uninstalling the Software (Windows 95)

1 Quit the Roland ColorChoice Software.
2 Go into the drive where the Roland ColorChoice Software is located. Its default name should be ‘ColorChoice’. Delete this directory.
3 Click Start>Settings>Taskbar. On the ‘Taskbar Properties’ dialog box, click the ‘Start Menu Programs’ tab.
4 Click Remove. The ‘Remove Shortcuts/Folders’ dialog box appears.



5 Select Roland ColorChoice, and then click Remove. Also locate and remove Roland ColorChoice from within the ‘StartUp’ directory. This will remove the shortcut to the main application that was in the ‘Start’ menu.
6 Click Start>Settings>Printers. Right click on the Hi-Fi Jet printer icon, and then select Delete from the menu.
7 Click Start>Settings>Control Panel. Double-click on the Add/Remove Programs icon. Uninstall the Hot Folder program.
8 Empty your Recycle Bin.

You have successfully uninstalled the Roland ColorChoice Software.

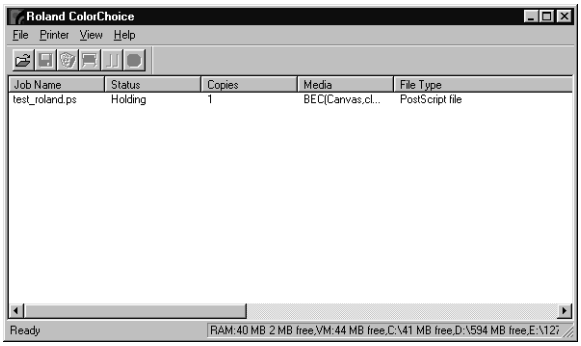
Uninstalling the Software (Windows NT)

1 Quit the Roland ColorChoice Software.
2 Go into the drive where the Roland ColorChoice Software is located. Its default name should be ‘ColorChoice’. Delete this directory.
3 From Explorer, go to WinNT/Profiles/All Users/Start Menu/Programs and delete Roland ColorChoice. While still in the Programs directory, open the Startup directory, then locate and delete Roland ColorChoice.
4 Click Start>Settings>Printers. Right click on the Hi-Fi Jet printer icon, and then select Delete from the menu.
5 Click Start>Settings>Control Panel. Double-click on the Add/Remove Programs icon. Uninstall the Hot Folder program.
6 Empty your Recycle Bin.

You have successfully uninstalled the Roland ColorChoice Software.

Getting Started

Once installed, Roland ColorChoice RIP Software automatically starts each time you start your computer. The Print Monitor displays when you double-click the Roland ColorChoice RIP Software Icon located in the lower right corner of your screen. You can control every facet of job management from the Print Monitor. The Print Monitor is essentially a queue, listing all the files that are waiting to be printed.



Jobs appear in the queue in the order that they were received. For each job, the following information is displayed:

- Job Name - the name of the file, including any extensions.
- Status - the current status of the job, either Holding, RIPing, or Printing.
- Copies - the number of copies to be printed.
- Media - the media on which the job will be printed.
- File Type - the file type of the selected job.

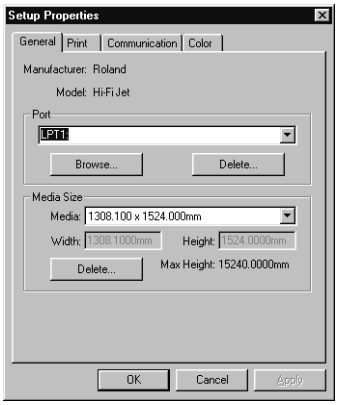
Printing a Test File

To insure that your software is properly installed and that a connection to the printer is established, select Printer>Test Print. When you do this a small test file is sent to the Print Monitor and then printed. Once you've successfully printed a test file, be sure to read the rest of this document to learn about other features.

Working with Setup Properties

Setup Properties are the default print settings for your printer. To view them, click Setup Properties from the Print menu of the Print Monitor. The Setup Properties dialog opens with the General tab selected.

General Tab



The General tab displays standard Windows printer settings associated with printer port selection and media size.

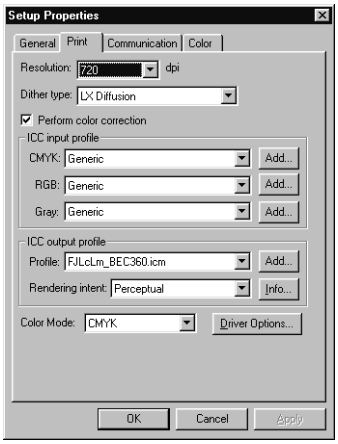
Port- Selects the port to which the printer is connected. You should only change the Port selection if you physically change the port to which your printer is connected.

Media Size- Select a media size that is currently loaded into your printer. You can specify custom media sizes by selecting *other* from the list and then editing the Height and Width values.

Media Size displays the size of the media being used, not the total printable area. The printable area on the media will be slightly less than the actual area.

Print Tab

The Print tab displays basic processing settings and allows you to access your printer's Driver Options.



Resolution- You may set the output resolution here. A higher resolution will generally result in better results but slower output. The resolution set here is separate from the resolution used by your application.

Setting a resolution in this driver that is higher than the resolution in the application will not necessarily improve the output.

Dither Type- This is the pattern in which the individual dots that make an image are applied to the media. Dots of ink are arranged to fool your eye into seeing different shades.

Perform Color Correction- Checking this setting makes incoming jobs use the color correction settings- ICC input and output profiles that are explained below- of Roland ColorChoice RIP Software. If this setting is not checked, incoming jobs are assumed to already have color correction.

ICC input profile- This area is only accessible if Perform Color Correction is checked. Three types of ICC input profiles can be specified:

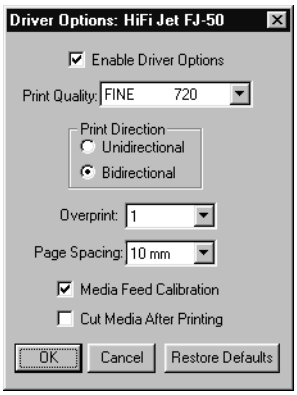
- *CMYK* has a default setting of Generic. You also can specify a different CMYK profile using the Add button. You might, for example, want to use CMYK Swop as a profile, if you have access to it.
- *RGB* corresponds to monitor profiles. In addition to the Generic setting, which will provide good results, you can select two other popular monitor ICC profiles.
- *Gray* is the gray component ICC profile. Accept the default setting or use the Add button to locate another.

With input profiles, you can accept the default setting of Generic for all three profiles and expect excellent results. The ability to specify new profiles is an advanced feature, and you should use it only if you have a thorough understanding of ICC profiles and how to apply them.

ICC output profile- This area is only accessible if Perform Color Correction is checked.

- *Profile*: Output profiles define the characteristics of your printer. An ICC profile is made for each ink/media combination that is available for a device. From the pulldown list you can choose the profile that is appropriate for your job.
- *Rendering intent*: Before a file can be RIPed, its ICC profile must be translated into CRD (Color Rendering Dictionary) values. This is essentially the process of truncating RGB color space to CMYK color space. How to truncate this space is determined by the color rendering intent that you select. Select a rendering intent from the list of standard PostScript types. **Perceptual** is best for photographic images. The relationship between colors in the original is scaled proportionally to fit the output device's color gamut. **Relative Colorimetric** is best for images, such as logos, where the original needs to exactly match the output. Colors that fall outside of the output device's gamut are converted to colors at the edge of the gamut, which may reduce the total number of colors available. For this reason, this intent should only be used when there are relatively few colors in an image. **Saturation** is best for images where true color matching is not as important as vivid colors. Colors outside of the output device's gamut are converted to colors within the same saturation but with a different lightness. This intent may be used to boost colors within a photographic image. **Spot** is best for use with Pantone colors, devices with spot colors and vector images. This intent, which produces the greatest saturation possible, should only be used with non-photographic images.
- *Info*: Click this button for information pertaining to the ICC output profile that has been chosen under Profile. This dialog box contains a variety of information about the selected profile, including the ink and media names. If you are not sure whether or not you are using the correct profile, be sure to view this information. Following are a few guidelines to help you identify a profile:
  - *FJDyeLcLm* indicates dye ink for Cyan, Magenta, Yellow, Black, Light Cyan, and Light Magenta.
  - *Pig* indicates pigment
  - If a name has *Fine, Super, or Photo* in it, then it is appropriate for 720dpi output.
  - If a name has *Normal or Fast* in it, then it is appropriate for 360dpi output.

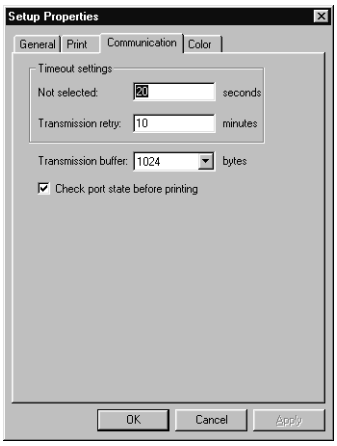
Driver Options- Clicking this button launches the Driver Options dialog, shown below. Consult the documentation that came with your printer to see what each setting on this dialog does.



Color Mode- Select either CMYK, LC/LM, or O/G. **CMYK** is four-color printing with Cyan, Magenta, Yellow, and Black ink. It is used to create smoother transition between colors, and improved flesh tones. **LC/LM** is four-color printing plus two additional colors: Light Cyan and Light Magenta. The LC/LM option is a good way to create smooth transitions between colors. However, even if you have six inks, some jobs may print satisfactorily using only four. The **O/G** option increases the capability to produce reds and greens, and their various shades.

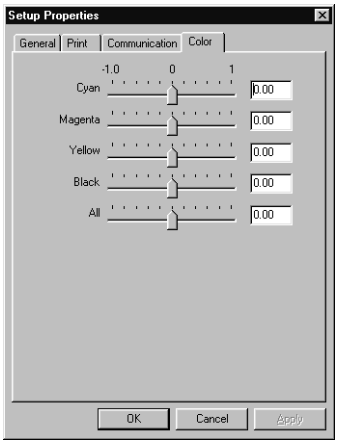
Communications Tab

The Communications tab displays basic communications settings. This is a standard windows tab. *Changing these settings is not recommended.*



Color Tab

The Color tab displays settings associated with the color quality of the image. Using the sliders on the tab, you can adjust the image quality. The sliders that appear vary, depending on which color mode is selected on the Print tab. *The modifications that you make on the Color Tab do not affect the original file.*



Printing with ColorChoice

There are two approaches to using the Roland ColorChoice RIP Software.

- Printing already prepared jobs from one station.
- Creating and printing jobs on one station.

These approaches can be used concurrently or in combination.

Printing Already Prepared Jobs

1 Load the CD or disk that has the prepared jobs into the appropriate drive.
2 Double-click on the Roland ColorChoice RIP Software icon in the lower right corner of your screen to launch the program.
3 Select Add... from the File menu.
The Add Job dialog box opens. (You can add jobs in any of the following formats: .prn, .plt, .eps, .ps, .pdf, or .prt.)
4 Find the drive or folder with the job you want to print.
5 Select the job and click Open.
The job is added to the Print Monitor.
6 To send a job to the printer, select the job from the Print Monitor and then select Print from the File menu.
The job prints.

Printing Directly from an Application

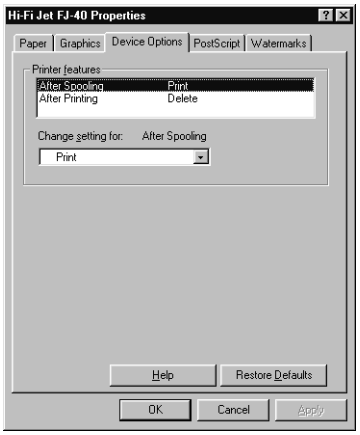
Printing to the Roland ColorChoice is the same as printing to any other device.

1 Create the job in your favorite application.
2 From your application's print dialog box, select the Roland Hi-Fi Jet.
3 To send a job to the printer, select the job from the Print Monitor and then select Print from the File menu.
The job prints.

Accessing Printer Properties from an Application

In addition to specifiyng how a job will print by editing the settings in the Setup Properties dialog box, you can access some settings directly from your design application. The command for viewing printer properties is usually under the File menu. Consult the documentation that came with your application for details.

The Device Options Tab



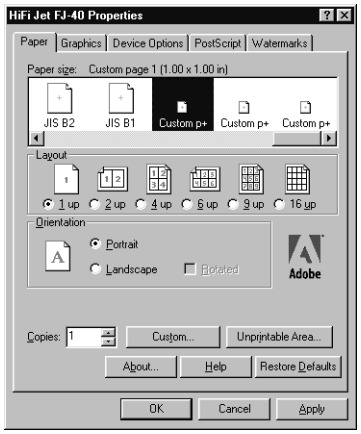
Printer features- Highlight any item in the Printer features list. The 'Change setting for' list, located just below, applies changes to reflect the option for the selected feature.

After Spooling- Tells the Print Monitor what to do with the job after it arrives in the Queue, either Hold or Print.

After Printing- Tells the Print Monitor what to do with the job after it has finished printing, either Hold or Delete.

The Paper Tab

Before printing directly from an application, be sure also to view and edit the Paper tab. The Paper tab is where you specify custom paper sizes.



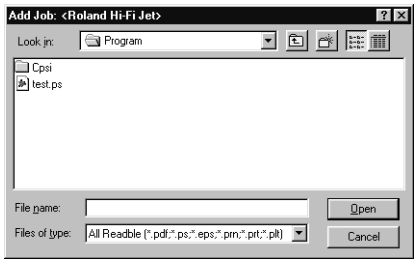
Working with Jobs

Roland ColorChoice Software provides you with a number of tools for job management. This section explains some of the many ways in which you can manipulate jobs from the Print Monitor.

Adding Jobs to the Print Monitor

You can add jobs to the Print Monitor by clicking the Add a Job button located on the toolbar. You may alternatively select File>Add.

1 Click the Add a Job button from the toolbar.
The Add a Job dialog appears.



2 Locate the job you want to add, select it, and then click Open.

Deleting Jobs from the Print Monitor

You can delete jobs or groups of jobs from the Print Monitor by selecting them and then clicking the Delete button from the toolbar.

1 Select the job or jobs that you want to delete by selecting them in the Print Monitor window.
2 Click the Delete button. You also can click File>Delete once jobs are selected.

Printing Jobs

Once jobs are in the Print Monitor, you can select individual jobs or groups of jobs for printing. When you select a group of jobs, they are printed in the order that they appear in the queue.

1 Select the job or jobs that you want to print by selecting them in the Print Monitor window.

2 Click the Print button.

The job is RIPed and then printed. You also can click File>Print to RIP and print a job.

Pausing and Resuming Printing

When you print a job, the Roland ColorChoice Software begins RIPing the file. RIP, which stands for Raster Image Processor, is a process that converts the selected file into a series of dots that are used to reproduce the file on the selected media. RIPing involves a complex algorythmic process that requires a significant portion of your computer's processing capacity. Larger files, in terms of Megabytes, take longer to RIP than smaller files.

The nature of the RIP process makes it impossible to pause and restart. For this reason, the Pause button is dimmed to prevent you from pausing a job during the RIP process. However, once a job is done RIPing and is printing, you can use the Pause button to stop and restart the printing process as often as you like.

1 Select the job that you want to pause by selecting it in the Print Monitor window.

2 Click the Pause button.

The printing is paused, and can be resumed by clicking the Pause button once again.

Aborting a Job

Although you cannot pause a job during the RIP process, you can abort the job altogether. Once a job is aborted, all RIP information is lost and you must re-RIP the job.

1 Select the job that you want to abort by selecting it in the Print Monitor window. You only can abort jobs during the RIP process.

2 Click the Abort a job button. You also can click File>Abort to abort a job during the RIP process.

Saving Jobs in Native Format

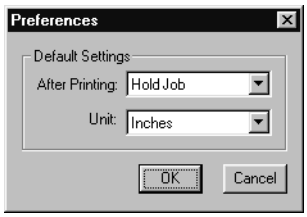
Once a job has been printed, you may want to save the RIPed file so that you can reprint it without having to RIP the file again. Saving a file as Native format, with a .prt extension, allows you to save RIPed files for reprinting.

1 Select the job that you want to save as in Native Format by selecting it in the Print Monitor window.

2 Click the Save a job button. You also can click File>Save to save a job in Native Format.

Setting Preferences

Select File>Preferences to access default settings, including what to do with files after printing and to specify the units of measurement. These preferences, in conjunction with Setup Properties, form the default print settings.



Advanced Printing Procedures

The jobs that Roland ColorChoice receives can arrive in one of two color spaces- RGB or CMYK. This section will explain how to send jobs in these formats and achieve good color results.

For most users, RGB will be the simplest and easiest way to send jobs. Advanced users, though, may need to send jobs in CMYK. Some guidelines have been provided but are not necessarily the only way a job can be sent in CMYK.

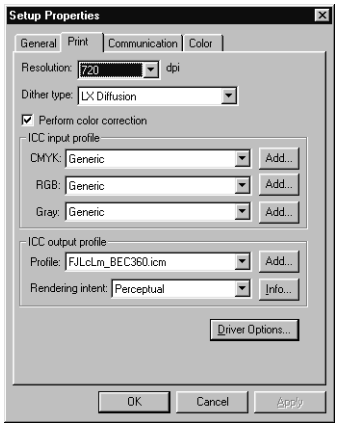
The specific method that you will use to send a job depends on the software used to prepare the job. Though this section provides helpful hints for sending jobs from many of the popular applications that are used with Roland ColorChoice, be sure to read your application's user assistance materials for detailed information.

If your program is not listed, refer to a section on a similar program.

CorelDRAW 8

Sending an RGB file (recommended)

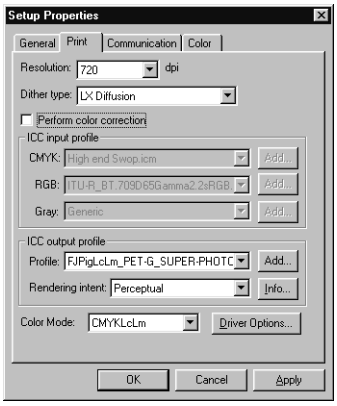
1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox has a check in it.
3 In the ICC input profile area, select appropriate CMYK and RGB profiles. If you know which profiles your application is using, select that profile; if you don't select Generic, or experiment to see which profile yields the best results.
4 For the ICC output profile, select the appropriate ink/media combination. Also select a rendering intent to use. Click the Info button to see a full description of the selected profile.
5 From the application, select Print Setup and then select Properties to view your printer's properties.
6 Select your page size from the menu bar or select Custom for a custom page size. If you choose a custom page size, you may enter the custom size in the paper width and height fields.
7 Go to File>Print. Select your printer from the Name menu
8 Click the Properties button.
9 Choose a paper size from the Paper field or select a Custom page for a custom page size.
10 If you choose a custom page size, you may enter the custom size by clicking the Custom button and entering the width and height. The paper size should match the page size entered in Corel.
11 Click OK.
12 Select the PostScript tab and then select PS3 and Output Bitmaps in RGB.
13 Select the Miscellaneous tab and uncheck Use Color Profile.
14 Click Print.

Sending a CMYK file from CorelDRAW 8

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.

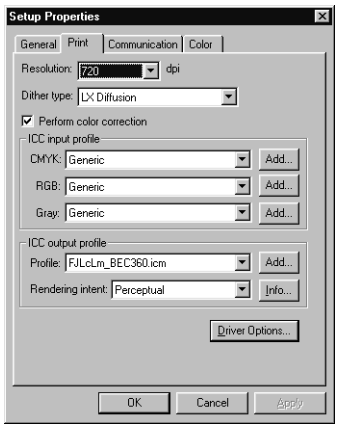


2 Make sure the Perform Color Correction checkbox does not have check in it.
3 From within CorelDRAW, go to Tools>Options and select Global>Color Management.
4 For on-screen soft proofing, check Calibrate colors for display and Display simulated printer colors. Choose Simulate composite printer.
5 From Color Management, select Profiles.
6 From the Monitor menu, choose your monitor ICC profile. If it is not in the list, you may choose Generic Profile or use the Get profile from disk option to locate your monitor profile.
7 From the Scanner menu, choose your scanner ICC profile. If your profile is not available or you do not have or require one, choose None.
8 From the Composite printer menu select your printer's ICC profile.
9 From the Separations printer menu select your printer's ICC profile.
10 Click OK.
11 Go to File>Print. Select your printer from the Name menu
12 Click the Properties button.
13 Choose a paper size from the Paper field or select a Custom page for a custom page size.
14 If you choose a custom page size, you may enter the custom size by clicking the Custom button and entering the width and height. The paper size should match the page size entered in Corel.
15 Click OK.
16 Select the PostScript tab and from Compatibility select PostScript 3
17 Uncheck Output color Bitmaps in RGB.
18 Select the Miscellaneous tab and check 'Use color profile.
19 Click Print.

CorelDRAW 7

Sending an RGB file (recommended)

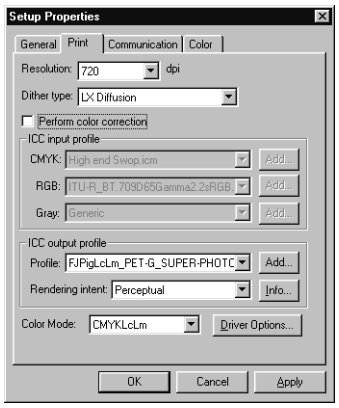
1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox has a check in it.
3 In the ICC input profile area, select appropriate CMYK and RGB profiles. If you know which profiles your application is using, select that profile; if you don't select Generic, or experiment to see which profile yields the best results.
4 For the ICC output profile, select the appropriate ink/media combination. Also select a rendering intent to use. Click the Info button to see a full description of the selected profile.
5 From the application, select Print Setup and then select Properties to view your printer's properties.
6 Select your page size from the menu bar or select Custom for a custom page size. If you choose a custom page size, you may enter the custom size in the paper width and height fields.
7 Go to File>Print. Select your printer from the Name menu
8 Click the Properties button.
9 Choose a paper size from the 'Paper' field or select a Custom page for a custom page size.
10 If you choose a custom page size, you may enter the custom size by clicking the Custom button and entering the width and height. The paper size should match the page size entered in Corel.
11 Click OK.
12 Uncheck Use Color Profile.
13 Click Print.

Sending a CMYK file

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox does not have a check in it.
3 Inside CorelDRAW 7, go to Tools>Color Manager.
4 Check the Monitor menu. From the Monitor menu, choose your Monitor ICC profile. If it is not in the list, you may

choose Default or use the 'Get profile from disk' option to locate your monitor profile.

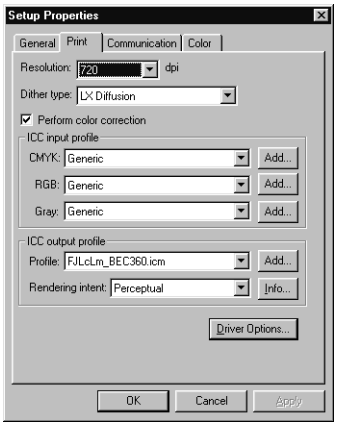
5 Check the Composite menu. From the Composite menu select your printer's ICC profile.
6 Uncheck the Scanner and Separation menus.
7 Click Finish.
8 Select your page size from the menu bar or select Custom page for a custom page size. If you choose a custom page size, you may enter the custom size in the width and height fields.
9 Go to File>Print and select your printer from the Name menu.
10 Click the Properties button. Choose a paper size from the 'Paper' field or select a Custom page for a custom page size. If you choose a custom page size, you may enter the custom size by clicking the 'Custom' button and entering the width and height. The paper size should match the page size entered in Corel.
11 Click OK.
12 Check 'Use color profile.'
13 Click OK to print.

CMYK files from CorelDRAW may print differently than RGB files sent from CorelDRAW. This is attributable to CorelDRAW's color management system.

FreeHand 7

Sending an RGB file (recommended)

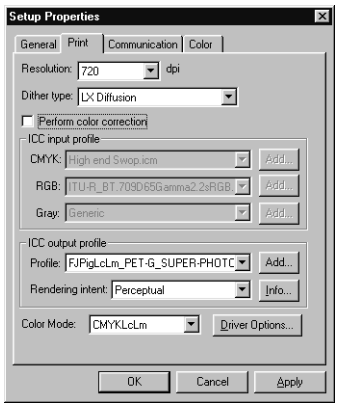
1 From the Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox has a check in it.
3 In the ICC input profile area, select appropriate CMYK and RGB profiles. If you know which profiles your application is using, select that profile; if you don't select Generic, or experiment to see which profile yields the best results.
4 For the ICC output profile, select the appropriate ink/media combination. Also select a rendering intent to use. Click the Info button to see a full description of the selected profile.
5 From the application, select Print Setup and then select Setup to view your printer's properties.
6 Create a page size in the Page tab. Select Custom if you require a custom page size, and enter the height and width.
7 Go to File>Print. Select you printer from the Name menu.
8 Click the Properties button.
9 Select the Paper tab. Choose your page size or select custom if you have a custom page size. Create a custom paper size by clicking the Custom button and entering a paper size tht matches your custom page size.
10 If you choose a custom page sized, you may enter the custom size by clicking the Custom button and entering the width and height.. The paper size should match the page size entered in Freehand.
11 Click Print Settings>Setup.
12 From the Separations tab, select Composite.
13 From the Imaging tab, uncheck Convert RGB to Process from Output Options.
14 From the Paper Setup tab, select your paper size. It should match the page size of your document. Select Custom for a custom paper size. If you entered a custom size for your document page size in Freehand, be sure that the custom value for the paper size matches that of the document page size. Check the Transverse button, if available, then click OK.
15 Click the Color Management button.
16 Uncheck the Color Management box and then click OK.
17 Click OK to print.

Sending a CMYK file

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



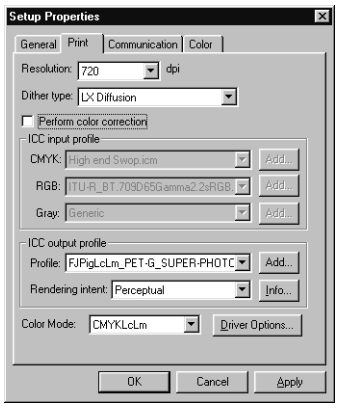
2 Make sure the Perform Color Correction checkbox does not have a check in it.
3 FreeHand defaults to Relative Colorimetric color rendering intent. To change FreeHand 7's default rendering intent open the preference file located in Program Files/Macromedia/FH7/Fhprefs.txt. Search for 'render.' The found line should read '(RenderColorimetric) (Yes)'. If you replace (Yes) with (No) you will get the first available rendering intent from the ICC output profile you select. If the ICC profile contains all the rendering intents, (as is the case with ICC profile's created for Roland ColorChoice Software), the next available rendering intent should be Perceptual. Profiles from other sources may vary in the first available intent.
4 Inside FreeHand 7, create page size in Page tab. Select Custom if you require a custom page size, and enter the height and width.
5 From the Page tab, select or enter the printer resolution according to your printer's resolution.
6 Go to File>Print and select your output printer from the list of printers.
7 Click the Properties button.
8 Select the Paper tab. Choose your paper size or select Custom paper if you have a custom page size.
9 Create a custom paper size by clicking the Custom button and entering a paper size that matches your custom page size.
10 Click 'OK'.
11 Click Print Setting>Setup.
12 From the Separations Tab select Composite and check Print spot colors as process.
13 From the Imaging tab, check Convert RGB to Process from Output Options.
14 From the Paper Setup tab select your paper size. It should match the page size of your document. Select Custom for a custom paper size. If you entered a custom size for your document page size in FreeHand, be sure that the custom value for the paper size matches that of the document page size. Check the Transverse button (if available). Click OK.
15 Click the Color Management button and check the 'Color Management' box.
16 From Monitor, choose the ICC profile for your monitor. If you have not created one or one is not available, choose 'Default'.
17 From Monitor Simulates choose 'Composite printer' if you want on-screen CMYK preview. Choose None if you do not want an on-screen CMYK preview.
18 From Composite printer select the ICC profile for your output printer. This is the profile you installed to your system folder with ICC Windows Installer.
19 From Separations Printer choose your output printer's ICC profile.
20 Uncheck the 'Composite simulates separations' checkbox.
21 Click OK.
22 Click OK to print.

Illustrator 7.0

The Kodak Color Management System must be installed to output successfully from Illustrator 7 to Roland ColorChoice Software. Instructions are limited to generating CMYK files because all printed output from Illustrator is CMYK.

Sending a CMYK file from Illustrator 7.0

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox does not have a check in it.
3 In Illustrator, go to File>Document Setup.
- •Select Options 'Use printers default screen.'
- •Set Paths 'Output resolution' to your printer's resolution.
- •Check box for Use Print Setup.
- •Click the Print Setup button.
- •Select your printer in the Name field.

4 Click the Properties button.
5 Choose a paper size from the 'Paper' field or select a Custom page for a custom page size. If you choose a custom page size, you may enter the custom size by clicking the Custom button and entering the width and height.
6 Click OK to Properties dialog.
7 Click OK to Print Setup dialog.
8 Click OK to Document Setup dialog.
9 Go to File>Color Settings.
- •Select your monitor in the Monitor field. Choose Adobe Illustrator Monitor Default if your monitor is not available.
- •Select your printer's ICC profile in the Printer field.
- •Select your rendering intent in the Intent field.
- •Default uses the output profile's default intent.
- •Image is Perceptual intent.
- •Graphic is Saturation intent.
- •Colorimetric is Relative Colorimetric intent.

10 Check 'Uses ICC Profile with TIFFs'.
11 Check 'Simulate print colors on display' if you want your monitor to soft-proof CMYK output.
12 Click OK to Color Settings dialog.
13 Go to File>Print.
- •If not dimmed, set Output to Composite.
- •Set PostScript to Level 2.
- •Check Force Fonts to Download.

14 Click OK to print.

PageMaker 6.5

These directions assume that you have Kodak ICC Color Management installed.

Before starting PageMaker. copy your printers' PPD files to PM65\RSRC\USENGLSH\PPD4 directory. The PPDs can be found on your installation CD in the 'Ppd' folder.

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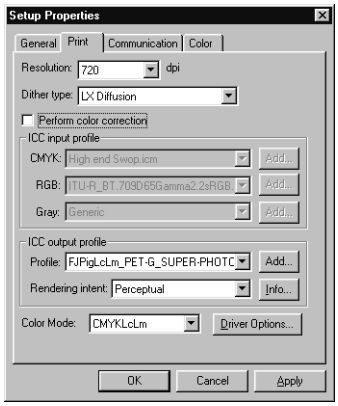
Sending an RGB file (recommended)

1 Go to File>Document Setup.
2 From the Page size field select your paper size or choose Custom for a custom page size.
3 If you choose Custom page size, enter the custom size in the height and width fields and click Transverse.
4 Select your printer's resolution as the Target Output Resolution. If it is not available, select the next highest value.
5 Select your printer in the Compose to printer menu. Click OK.
6 Go to File>Preferences>General. Click the 'CMS Setup...' button.
7 From Color Management select OFF.
8 Click OK to Color Management System Preferences. Click OK to Preferences.
9 Go to File>Print.
10 From the PPD menu, select the PPD for your printer.
11 Click the Paper button. From the Size menu, select your paper size. Select Custom for a custom size. Enter the width and height of the custom paper size in the new Custom Paper Size dialog. Your paper size should match your job size. Click OK.
12 Click the Options button. From the Send image data menu select Normal.
13 From download fonts select PostScript and TrueType.
14 Click the Color button. Select Composite and Color.
15 From Optimized Screen Select Default.
16 Click the Features button. Select any other printer specific settings you want.
17 Click Print.

Sending a CMYK file to ColorChoice

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox does not have a check in it.
3 Go to File>Document Setup.
4 From the Page field select your paper size or choose Custom for a custom page size.
5 If you choose Custom page size, enter the custom size in the height and width fields and click Transverse.
6 Select your printer's resolution as the Target Output Resolution. If it is not available, select the next highest value. Click OK.
7 Go to File>Preferences>General. Click the 'CMS Setup...' button.
8 From Color Management select ON.
9 From Monitor Simulates, select Composite Printer if you want 'soft proofing.' Select None for standard viewing.
10 From New Items Use select Kodak ICC.
11 Uncheck 'Manage composites on printer.'
12 Select Kodak ICC from the iconic list of Color Management Modules.
13 Under Kodak ICC Settings, from Monitor select your monitor's profile. If your monitor's profile is not available select Generic Monitor.
14 From Composite printer select your printer's ICC profile.
15 From Separations printer select your printer's ICC profile.
16 From RGB Image Source select your scanner's ICC profile if your images are coming directly from a scanner. Otherwise, select your monitor's ICC profile. If your monitor's profile is not available, select Generic Monitor.
17 From CMYK Image Source select the profile that applies to the source of your CMYK images.

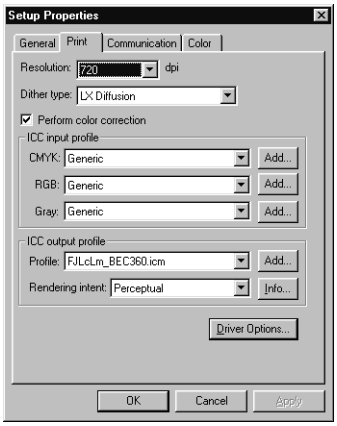
18 Click OK to Color Management System Preferences. Click OK to Preferences.
19 Go to File>Print.
20 From the PPD menu, select the PPD for your printer.
21 Click the Paper button. From the Size menu, select your paper size. Select Custom for a custom size. Enter the width and height of the custom paper size in the new Custom Paper Size dialog. Your paper size should match your job size. Click OK.
22 Click the Options button. From the Send image data menu select Normal.
23 From download fonts select PostScript and TrueType.
24 Click the Color button. Select Composite and Color.
25 From Optimized Screen, select Default.
26 Click the Features button. Select any other printer specific settings you want.
27 Click Print.

Each individual element of PageMaker can be assigned a color management setting. Under Element>Image>CMS Source a CMS, Source Profile and Rendering Intent may be assigned to each object. This means that the default settings in the Preferences may not apply to all objects within a file. If you are using multiple input ICC profiles, in most instances you will want to send a CMYK file from PageMaker.

Photoshop 4.0

Sending an RGB file (recommended)

1 From the Print Monitor click Printer>Setup Properties. Then click the Print Tab.

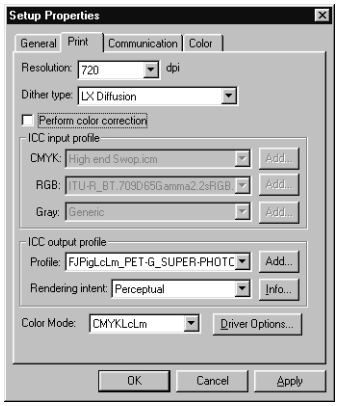


2 Make sure the Perform Color Correction checkbox has a check in it.
3 Go to File>Page Setup.
4 From the Name field select your printer.
5 Click the Screen button. Check the box for 'Use Printer's Default Screens.' Click OK.
6 Go to File>Print. Choose RGB from the 'Print as' color space selection.
7 Choose Binary from the Encoding selection.
8 Choose your printer resolution from the Print Quality field.
9 Click Setup. Select your printer from the Name field.
10 Click the Properties button. Choose a paper size from the Paper field or select a Custom page for a custom page size. If you choose a custom page size, you may enter the custom size by clicking the 'Custom' button and entering the width and height. The paper size should match the canvas size created in Photoshop.
11 Click OK to Printer Properties dialog.
12 Click OK to Page Setup dialog.
13 Click Print.

Sending a CMYK file

These directions assume that you have Kodak Color Mangament installed.

1 From the Roland ColorChoice Print Monitor click Printer>Setup Properties. Then click the Print Tab.



2 Make sure the Perform Color Correction checkbox does not have a check in it.
3 Go to File>Color Settings>Monitor Setup. Select the ICC profile for your monitor. Use Default if your monitor profile is not available.
4 Go to File>Color Settings>Separation Tables.
5 Click ‘Build Tables Using ICC Profiles.’
6 Select your printer’s ICC profile and the desired rendering intent and then click Build.
7 Click OK.
8 To ‘soft preview’ choose View>CMYK Preview.
9 Go to File>Page Setup.
10 From the Name field select your printer.
11 Click the Screen button.
12 Check ‘Use Printer’s Default Screens.’
13 Click OK.
14 Go to File>Print. Choose CMYK from the ‘Print as’ color space selection.
15 Choose Binary from the ‘Encoding’ selection.
16 Choose your printer resolution from the ‘Print Quality’ field.
17 Click Setup. Select your printer from the Name field.
18 Click the Properties button. Choose a paper size from the Paper field or select a Custom page for a custom page size. If you choose a custom page size, you may enter the custom size by clicking the ‘Custom’ button and entering the width and height. The paper size should match the canvas size created in Photoshop.
19 Click OK to Printer Properties dialog.
20 Click OK to Page setup dialog.
21 Click Print.

Roland

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