



*Cachet 1.0.1 Importer
and Release Notes*



Cachet[™]

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About this manual

The first chapter of this manual explains the Cachet Importer plug-in and provides detailed instructions about its use. It assumes that you know the basics of working with Cachet, are familiar with Cachet concepts such as edit-by-reference and EfiColor, and are familiar with color terminology such as color separation, color space, CMYK and RGB.

The second chapter contains Cachet 1.0.1 Release Notes—technical details you should know before you begin working with Cachet 1.0.1.

If you need information about using Cachet, refer to the *Learning Cachet* and *Using Cachet* manuals. For information about the EfiColor Color Management System, see the *EfiColor Profile Guide*.

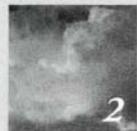
The **bold-faced** terms that appear in this manual refer to glossary entries. The glossary is located at the back of *Using Cachet*.



Overview

Cachet Importer is a plug-in that allows you to import **color separation** files into Cachet. Cachet Importer translates the CMYK, CMY or RGB data in your file into EFI Calibrated RGB color space. When you install Cachet 1.0.1, Cachet Importer is installed automatically in your Cachet folder.

You can import files from high-end scanners, Cachet separations, and separations you've generated in other applications.



About Plug-ins

Plug-ins are mini-programs, or extensions, which add functionality to the Cachet program. With Cachet, plug-ins are generally placed in your Cachet folder. For more information about plug-ins, see the section "The Software" in Chapter 6 of *Using Cachet*.



About EFI Calibrated RGB

Cachet uses a device-independent **color space**, EFI Calibrated RGB, to define the color appearance of Cachet images. Images generated in EFI Calibrated RGB color space can be faithfully reproduced on any EfiColor-supported target printer.

EFI Calibrated RGB is supported by the EfiColor Color Management System, which also provides Cachet services such as color matching, color checking, and color separation. For more information about EfiColor, see the *EfiColor Profiles Guide*.

Convert high-end CMYK scans to RGB

Because Cachet uses an RGB color space—EFI Calibrated RGB—all color data must be in RGB format before you can work with it in Cachet. However, many high-end scanners produce only CMYK data. You can use Cachet Importer to convert the data from CMYK to RGB and bring the image into Cachet for editing.

Recover RGB data from separated files

When you color separate an image, your application converts the RGB data in your image into the colors used by your printer—CMYK for most printers, or either RGB or CMY for reproduction on three-color devices such as the Kodak XL7700.

If you've lost the original RGB file and have only the color separated file, you can use Cachet Importer to translate the separated data back into EFI Calibrated RGB. Once you've recovered the RGB data, you can use Cachet to make more corrections.

It's important to use the original RGB data when it's available. When you save color separations, some of the RGB data in the file may be discarded when Cachet adjusts the colors in the file to the gamut of your target printer. Even when you translate the data back into RGB, the data that was discarded during the separation cannot be recovered.

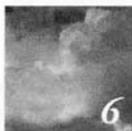


You will maximize color integrity if you recover RGB data using the same device profile you used to create the color separations. If you use the wrong profile you may get poor results. Cachet Importer provides a Generic profile that you can use if you don't know the device for which your file was separated. However you will always get better results when you use the correct profile.

Transfer color that looks good on one printer to a different printer

Suppose you've created and printed an image using another application—you like the way it printed and want to reproduce the same color on a different printer. But color separations for one printer won't work on another printer. The color space doesn't match and you'll get poor results. You need to translate the color separations back into RGB and re-separate for the new printer.

Provided both printers are EfiColor-supported devices, it's easy. You simply import the separated file using Cachet Importer. Cachet Importer translates the data from the color space of the original printer into EFI Calibrated RGB. Then you use Cachet to save separations for a different printer—you'll get the same good color on each printer.



Select an image to import

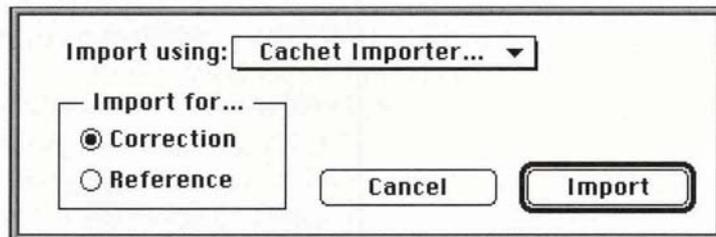
Cachet Importer can open separated files from high end scanners and files created in Cachet or other applications. For a complete list of the files Cachet Importer can open, see the sidebar.

Start Cachet. In the Open dialog box, click Cancel.

If you're not already in Cachet, double click the Cachet icon to launch the program. The Open dialog box appears automatically. Click Cancel before continuing.

Choose Import from the File menu.

In the Import dialog box, a pop-up menu lists the import plug-ins you've installed. If the Cachet Importer plug-in is not in the menu, see *Tips and Troubleshooting*.



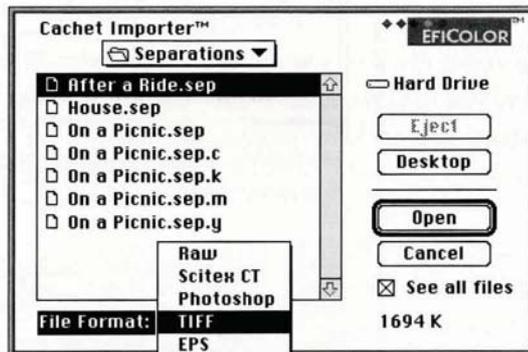
The pop-up menu lists all your Cachet-compatible import plug-ins

In the Import dialog box, select either Correction or Reference.

Choose Cachet Importer from the pop-up menu, then click Import.

Select Correction if you are opening a **working image**. Open a file as a **reference image** only if you previously printed the image with good results, and know for which printer the separations were created. Images separated for unknown printers are not good candidates for reference images as you cannot be sure that colors you match will print satisfactorily.

The Open dialog box lists available files in the format selected in the File Format pop-up menu.



To see files in another format, choose another format from the pop-up menu. To see all the files in the current folder, select See all files.



What files can you open with Cachet Importer?

CMYK formats:

- Cachet/Photoshop EPS
- Cachet/Photoshop DCS
- TIFF-CMYK
- Photoshop
- Raw
- ScitexCT

RGB formats:

- Cachet/Photoshop EPS
- TIFF-RGB
- Raw
- Photoshop



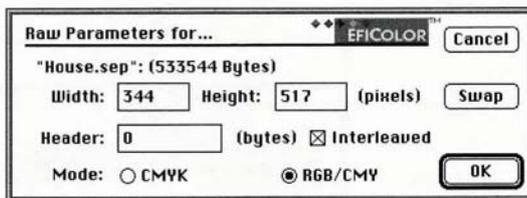
***Cachet's Open
command or
Cachet Importer?***

It's possible to open some files—the TIFF tutorial files that came with Cachet, for example—using either Cachet's Open command or Cachet Importer. Generally, if you can open a file using Cachet's Open command, it's preferable to do it that way. Use Cachet Importer to open device-specific CMYK or RGB/CMY files.

***Select a file from the list,
then click Open.***

When you open a file in the **TIFF, EPS**, Photoshop, or Scitex CT format, the Importer Setup dialog box appears. Importer Setup is explained in the next section.

When you open a **Raw** format file, you need to enter additional information about your file in the Raw Parameters dialog box before you can continue.



The Raw Parameters dialog box appears only when you import Raw format files.

In the Raw Parameters dialog box, enter the dimensions and header size of your file. (Cachet Importer estimates the dimensions of your file, but you need to know the exact measurements.) Select the appropriate color mode and, if your image is in Interleaved format, click the Interleaved check box. When



you've entered all the settings, click OK. If you don't provide this information, Cachet Importer cannot open the file. For more information about Raw format files, see *Using Cachet*.

Cachet Importer closes the dialog box and opens the Importer Setup dialog box.

Select a source color space

You use the Importer Setup dialog box to indicate the source color space—the color space of the printer for which your image was originally separated.

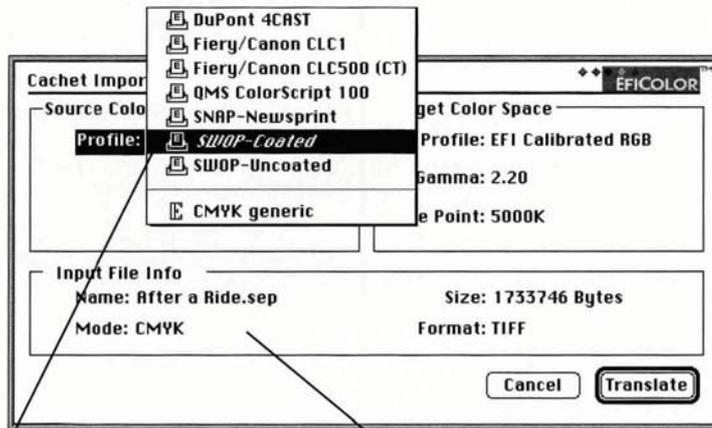
You do this by selecting the printer's device profile from the pop-up menu. Cachet Importer uses profile information from the EfiColor database to translate your image data from the source color space to EFI Calibrated RGB color space.

For example, if your CMYK file was separated for a SWOP-coated printer, choose that profile from the pop-up menu. Cachet Importer uses information from the SWOP-coated profile to translate your image data from SWOP-coated color space to EFI Calibrated RGB color space.

In the Setup Dialog box, choose the source color space from the pop-up menu.

The pop-up menu lists device profiles from your EfiColor database folder. The profiles that appear in the pop-up menu change depending on the mode of your image—CMYK or RGB/CMY. So, if you're importing a CMYK image for example, Cachet Importer lists all the CMYK device profiles in your EfiColor database.

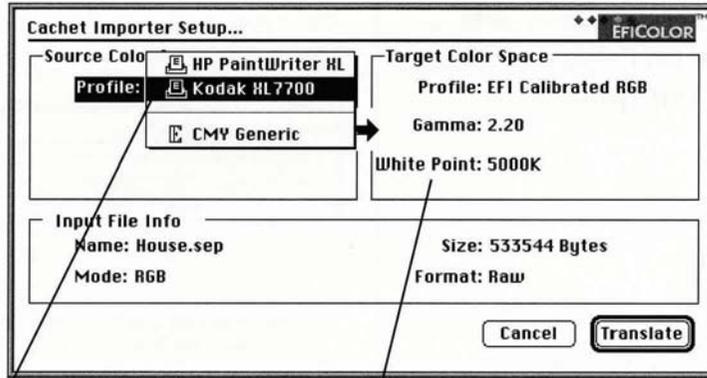
Cachet Importer can recognize the source color space of TIFF and EPS separations generated in Cachet version 1.0.1. When Cachet Importer recognizes the source color space, it automatically displays the appropriate device profile in italics. If Cachet Importer does not recognize the source color space, it displays the last profile selected.



When you open a CMYK image, the pop-up menu lists CMYK device profiles in your EfiColor DB folder.

This box indicates the mode, format, and size of your image.

When Cachet Importer recognizes the source color space of your image, it displays the appropriate device profile in italics.

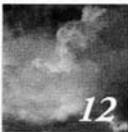


When you open an RGB image, the pop-up menu lists RGB/CMY device profiles in your EfiColor DB folder.

When Cachet Importer does not recognize the source color space of your file, it displays the last profile selected.

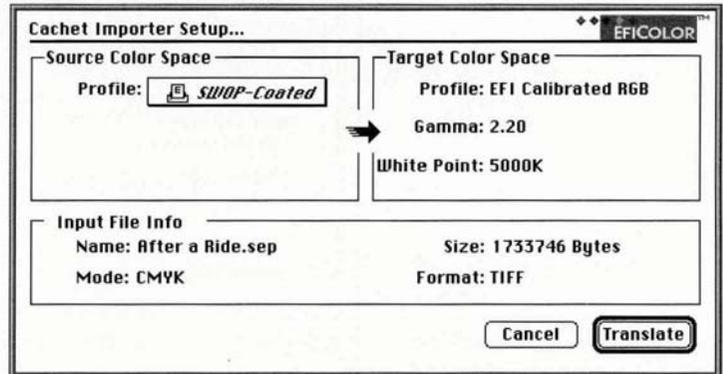
This box provides information about the EFI Calibrated RGB color space.

If you don't know the source color space, you can choose Generic from the pop-up menu. If you know the source color space but don't see the correct printer profile in the menu, see the section *Tips and Troubleshooting*.



Translate color data to EFI Calibrated RGB color space

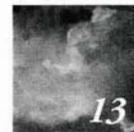
Once you've selected the source color space, all you need to do is click Translate.



Click Translate to complete the import procedure.

Click Translate.

Cachet Importer automatically translates your image into EFI Calibrated RGB color space, and your image appears in the appropriate window.



What's next

Now that your image is in EFI Calibrated RGB, you can use any of Cachet's powerful tools to make color corrections or create color separations.

If you've imported the image to recover RGB data, take the time to save your image as a TIFF file now. Your new file will be in EFI Calibrated RGB.

Or, if you've imported your image because you liked the way it printed in the source color space and want to reproduce the same color on a different printer, you can simply re-separate your image for the other printer. You may want to use Cachet's **Gamut Alarm** to check for colors that may be out of the new printer's gamut.

See *Using Cachet* and *Learning Cachet* for instructions on using Cachet.

Tips

File naming conventions

You've probably already discovered that it's hard to know for which device your image was separated. As you separate files in the future, add a suffix to indicate the color space of the target printer, *.swop* or *.cmyk* for example. That way, if you ever lose the RGB file, you can easily recover the RGB data from your separated file.

Troubleshooting

Cachet Importer does not appear in the Import dialog box pop-up menu

If you installed Cachet 1.0.1 using the Installer, the Cachet Importer plug-in was automatically installed in your Cachet folder. If you previously edited your Preferences file and named a Custom Program Extensions folder, Cachet looks for Cachet Importer in that folder. Check to make sure the Cachet Importer file is in the correct folder.

If you need to install Cachet 1.0.1, insert the disk *Installer* that came with Cachet 1.0.1 and follow the installation instructions on the screen. If you need additional assistance, refer to the guide *Start Here*.

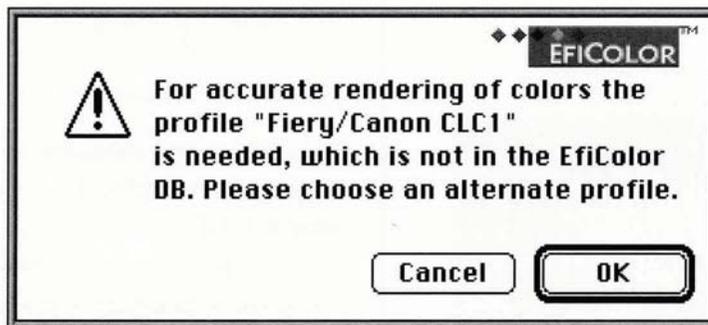
If you installed Cachet 1.0.1 and Cachet Importer still does not appear in the Cachet folder, insert the disk *Installer* and drag the Cachet Importer file into the Cachet folder or your Custom Program Extensions folder.

Using the Generic profile produces poor results

When you select the Generic profile, Cachet Importer uses information from the SWOP-coated profile—SWOP-coated is one of the most commonly used printing standards and chances are good that your image was separated for a SWOP device. However, if you're still getting poor results, your image may have been separated for a device other than a SWOP-coated printer. Try experimenting with other device profiles to see if you get better results.

Cachet Importer cannot find the correct profile in the EfiColor database.

If the Importer recognizes the source color space, but does not find the correct profile in the EfiColor database, it displays this dialog box:



For best results click Cancel, then run the Installer and use the Custom Install option to install the profile you need. If you want to open the file using another profile, click OK, then select a profile in the Setup dialog box.

For information about running the Installer, see the guide *Start Here*.

The correct profile doesn't appear in the source color space list

1. You may not have installed the printer's profile in the EfiColor database. Refer to *EfiColor Profiles Guide* to see if your device is supported. If it is, install its profile using the Installer.

If your printer is not listed in the *EfiColor Profiles Guide*, it may not be supported by EfiColor. Some additional profiles are available from EFI and can be installed on your system. Check with EFI TeleSales at 1-800-285-4565.

2. Cachet Importer displays a different list of devices depending on whether you are opening a CMYK or an RGB image. If you are importing a Raw image, you may not have indicated the correct color mode in the Raw Parameters dialog box. Start again, and make sure you choose CMYK or RGB/CMY in the Raw Parameters dialog box.

EfiColor error message

You may have an outdated version of the EfiColor Processor in your system folder. Be sure you have EfiColor Processor version 1.7.3 or later in your System folder. If you have an earlier version, rerun the Installer. Insert the disk *Installer* that came with Cachet 1.0.1 and follow the instructions on the screen. For more information about the Installer see the guide *Start Here*.



Compatibility

Cachet is compatible with a wide range of commonly used software and hardware products. However, with Apple® system software version 7.0, Adobe Photoshop™ plug-ins, the Tektronix® custom printer drivers, the RasterOps® 8/24 LXi and the Micron XCeed™ video cards, and Apple QuickDraw™ (3-color) printers, the following limitations apply:

Apple system software version 7.0

Cachet is System 7 compatible (including 32-Bit Addressing, virtual memory, and RAM disk). However, Cachet does not support Balloon Help, or publish and subscribe.

Adobe Photoshop plug-ins

Cachet is compatible with most Photoshop plug-ins for scanning and image compression, with the exception of the QuickTime™ JPEG plug-in for image compression.

If you encounter difficulty when scanning images larger than 5 megabytes in size, increase Cachet's Finder memory from the default of 4500K. Note that Cachet may crash if you try to import an image wider than Cachet's image-width limit of 4095 pixels.

Some plug-ins may not export Cachet files with the correct resolution. This is because image resolution information (the dpi of the file) is not always preserved while exporting. For example, a 300 dpi image may be exported at 72 dpi. In such cases, you should correct the image resolution when you open the image in your application.

Tektronix custom printer drivers

If you use the custom printer drivers that come with some Tektronix printers, you may encounter a garbled dialog box when attempting to print images larger than the paper size. If you encounter such a dialog box, resize the image (for example, by selecting the Size option in Cachet's Print dialog box) to fit onto the selected paper size, and try printing again.

RasterOps 8/24 LXi video card

Cachet is not fully compatible with the RasterOps 8/24LXi video card. On-screen artifacts occur randomly (though infrequently) when opening an image, changing detail, or resampling. Some of these artifacts may also appear in the disk file.

Micron XCeed 24-bit video card

Cachet is not compatible with the Micron XCeed 24-bit video card in 24-bit mode. If you use this card and encounter problems, choose Preferences from the Edit menu, select the Performance radio button, and turn off Immediate feedback with millions of colors. If this doesn't work, try setting your monitor to 256 colors.



Opening files in Cachet

Apple QuickDraw (3-color) printers

When printing to a QuickDraw (3-color) printer, be sure to choose an RGB profile such as HP PaintWriter XL™ or Kodak XL7700™. Otherwise, Cachet prints a blank page.

Cachet is unable to open files wider than 4095 pixels. In addition, the following limitations apply when opening Photoshop and ColorStudio™, and object-oriented PICT files:

Photoshop and ColorStudio files

Cachet does not use or preserve Photoshop or ColorStudio mask information. Files containing masks may be opened by Cachet, but the mask information will not be saved. Note that although Cachet warns you of this problem with Photoshop format files, Cachet does not detect the same problem in PICT files.

Object-oriented PICT files

Cachet is intended for use with pixmap images only, and not with object-oriented images such as those created by MacDraw®, Canvas™, or SuperPaint. Therefore, using object-oriented PICT images may cause problems.



Saving separations while in the color palette

When working in the Color palette, memory may not be sufficient to Save Separations with all tools open (e.g., the color meter, gamut alarm, and PANTONE® tools). If you receive an insufficient memory warning under such circumstances, closing one of the tools should free enough memory to allow you to save the separations.

Resizing files

You cannot undo resizing changes by choosing Revert from the File menu. To cancel a resizing change, close the image without saving, then re-open it.