



GA-1310

Print Options



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INTRODUCTION

This document provides a description of the GA-1310 print options.

For information about supported operating systems and system requirements, see [Welcome](#).

Terminology and conventions

This document uses the following terminology and conventions.

Term or convention	Refers to
Aero	GA-1310 (in illustrations and examples)
Copier	The copier attached to the GA-1310
Mac OS	Apple Mac OS X
Titles in <i>italics</i>	Other documents in this set
Windows	Microsoft Windows 2000, Windows XP, Windows Server 2003, Windows Vista
	Topics for which additional information is available by starting Help in the software
	Tips and information
	Important information
	Important information about issues that can result in physical harm to you or others

About this document

This document is intended for users who want a description of all the GA-1310 print options. It also explains each print option and provides information about any constraints or requirements in effect. It covers the following topics:

- Information about printer drivers, printer description files (PPDs), and setting GA-1310 print options.
- Brief explanations of each print option, default setting, and any constraints or requirements.
- Details about specific print options.

PRINT OPTIONS OVERVIEW

This chapter describes printer drivers and PPD files, GA-1310 print options, and locations for setting print options.

About printer drivers and printer description files

The GA-1310 receives files from computers on the network, processes (RIPs) the files, and then sends them to the copier. Windows and Mac OS computers communicate with the GA-1310 by means of a printer driver and PPD (PostScript Printer Description) files.

A printer driver manages printing communication between your application and the printer. It interprets the instructions generated by the application, merges those instructions with printer-specific options you set, and then translates all information into Adobe PostScript, a language the printer understands. In other words, the printer driver writes a PostScript file based on your original file and the options you set from the Print dialog box.

A printer driver also allows you to select print options for your copier. To do this, you must match the printer driver with a PPD file for your GA-1310. A PPD file contains information about the features and capabilities of a particular device (for example, what paper sizes and media types are supported). The printer driver reads the information in the PPD file and presents the information to you in the form of options you select in the Print dialog box. The PPD file for the GA-1310 includes information about the features of both the copier and the GA-1310. For information about the specific print options for the GA-1310, see the table that begins on [page 10](#).

About print options

Print options give you access to the special features of your copier and GA-1310. You can specify print options in several places—in GA-1310 Setup, or from the printing application, ColorWise Pro Tools, Hot Folders, or Command WorkStation.

Print option override hierarchy

The override hierarchy is as follows:

- A user's printer driver settings override the GA-1310 Setup and ColorWise Pro Tools settings.
- A user's Hot Folder settings override any default options.
- Settings made from Command WorkStation override the user's printer driver settings.

Setting print options

- During Setup

Some settings are specified during Setup by the administrator. For information about the current default server settings, contact the administrator or the operator.

- From applications

With the Adobe PostScript printer drivers, you can specify job settings when you print a job.

For information about specifying job settings from Windows applications, see [Printing from Windows](#). For information about specifying job settings from Mac OS applications, see [Printing from Mac OS](#).

- From ColorWise Pro Tools

Set the default CMYK Simulation Profile, CMYK Simulation Method, RGB Source Profile, RGB Separation, Output Profile, Rendering Style, Spot Color Matching, Print gray using black only, Black Text/Graphics, and Black Overprint settings.

For information about using ColorWise Pro Tools, see [Color Printing](#).

- From Hot Folders

Assign a group of print options to a Hot Folder. When you specify print options for a Hot Folder, the print options are assigned to all jobs sent through that Hot Folder. These print options override any default options.



For information, see Hot Folders Help.

- Overrides from Command WorkStation

To change job settings from Command WorkStation, double-click a job to display the Properties dialog box.



For information about Command WorkStation, see Command WorkStation Help.

PRINT OPTIONS

This chapter explains the GA-1310 print options, default settings, and any constraints or requirements. It also provides detailed descriptions of specific print options, beginning on [page 23](#).

Print options and settings

In the following table, underlined settings in the Option and settings column indicate default printer driver settings (PPD defaults). If you do not use the printer driver interface to configure a particular option, the GA-1310 prints the job with the underlined setting.

For options that you configure in Setup from Command WorkStation, Configure, or ColorWise Pro Tools, choosing Printer's default results in the GA-1310 printing the job with the setting you specified in Setup. For options that cannot be configured in Setup, the GA-1310 prints the job with a preconfigured Printer's default setting. For more information, see the Requirements, constraints, and information column in the table.

To determine the current Setup defaults, print the Configuration page from Command WorkStation. For information on how to print a Configuration page, see [Configuration and Setup](#).

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Auto Trapping <u>On/Off</u>	Use this option to ensure the proper fit and registration of adjacent colors. Specify On to automatically trap text, graphics, and images to eliminate unwanted white edges.	For more information, see page 23 .
Black Detection <u>On/Off</u>	Select Off if your job consists of black only text pages combined with a significant number of color pages. Select On if the job is predominantly black and white.	For more information, see Color Printing .
Black Overprint Printer's Default/ Off/ Text / <u>Text/Graphics</u>	Specify whether to overprint black text or black text and graphics placed on colored backgrounds. Overprinting colored backgrounds eliminates white gaps and reduces halo effects or misregistration of colors.	NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . To enable these settings, Black Text/Graphics must be set to Pure Black On. For more information, see Color Printing .
Black Text/Graphics Printer's Default/Pure Black On/ Rich Black On/Normal	Select Normal to print black text and graphics as a four-color black using C, M, Y, and K toner, and to use normal PostScript rendering. Select Pure Black On to print black text and graphics as a one-color black, using 100% black toner only. Select Rich Black On to print black text and graphics as a one-color black, using 100% black toner plus some amount of Cyan, to make the black even darker.	NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . To access this option click Expert Settings. This option is automatically set to Pure Black On if the Black Overprint option is enabled. For more information, see Color Printing .
Booklet Maker <u>Off/Saddle-Left Binding/</u> Saddle-Right Binding/ Perfect-Left Binding/ Perfect-Right Binding/ Saddle (top)/Perfect (top)/ Gang-up-Speed Print/ Gang-up-Double Print	Specify how to arrange the pages of the job in special booklet layouts for folding or cutting after printing.	For more information, see page 23 .

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Booklet Maker: Back Cover <u>None</u> /Print on Front/Print on Back/Print on Both/Blank Front and Back	<p>Specify if you want to print a back cover at the end of your booklet print job.</p> <p>Specify Print on Front if you want to print on the front of the back cover.</p> <p>Specify Print on Back if you want to print on the back of the back cover.</p> <p>Specify Print on Both if you want to print on the back and the front of the back cover.</p> <p>Specify Blank Front and Back if you want a blank back cover.</p>	<p>This option is only available with the Booklet Maker print option enabled. (To define covers for non-booklet print jobs, use the Mixed Media option.)</p>
Booklet Maker: Cover Source <u>Same as Job</u> /Drawer 1/Drawer 2/Drawer 3/Drawer 4/Bypass Feeder/Large Capacity Feeder/External LCF	<p>Select a paper tray to use for front and back booklet covers.</p>	<p>This option is only available with the Booklet Maker print option enabled. (To define covers for non-booklet print jobs, use the Mixed Media option.)</p>
Booklet Maker: Front Cover <u>None</u> /Print on Front/Print on Back/Print on Both/Blank Front and Back	<p>Specify if you want to print a front cover at the beginning of your booklet print job.</p> <p>Specify Print on Front if you want to print on the front of the front cover.</p> <p>Specify Print on Back if you want to print on the back of the front cover.</p> <p>Specify Print on Both if you want to print on the back and the front of the front cover.</p> <p>Specify Blank Front and Back if you want a blank front cover.</p>	<p>This option is only available with the Booklet Maker print option enabled. (To define covers for non-booklet print jobs, use the Mixed Media option.)</p> <p>For more information on setting Booklet Maker options, see page 23.</p>
Brightness <u>85% Lightest</u> /90% Lighter/95% Light/100% Normal/105% Dark/110% Darker/115% Darkest	<p>Select 85% for a substantially lighter image, 115% for a substantially darker image, or use one of the settings in between.</p>	
Center Margin <u>0-50 (mm)</u> <u>0.00-1.97 (inches)</u>	<p>Specify a margin value (in millimeters or inches) at the folding line for booklet printing.</p>	<p>This option is only available with the Booklet Maker print option. For more information, see page 25.</p>
Centering Adjustment <u>XY Centering</u> / Bottom X Centering	<p>Specify how to position the images on the page for imposition (booklet) printing.</p>	<p>This option is available only when Booklet Maker is enabled. For more information, see page 25.</p>

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
CMYK Simulation Method Printer's Default/Quick/ Full (Source GCR)/ Full (Output GCR)	<p>Select Quick to use one-dimensional transfer curves to adjust density output of individual color channels.</p> <p>Select Full (Source GCR) for a more complete and accurate simulation. Full (Source GCR) applies colorimetric transformations that adjust hue as well as output density. This option produces output that maintains the same amount of black as the source document.</p> <p>Select Full (Output GCR) to apply the same simulation method as Full (Source GCR), except that the output produced contains a black amount determined by the Output Profile.</p>	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS. For more information, see Color Printing.</p>
CMYK Simulation Profile Printer's Default/DIC (EFI)/ Euroscale (EFI)/ISO Coated/ ISO Uncoated/JMPA ver 2 (EFI)/ Japan Color 2001 type 1 (EFI)/ SWOP-Coated (EFI)/TOYO Offset Coated 2.0/None/ColorWise Off/ Simulation 1-10	<p>Specify the simulation goal you want for the current print job.</p>	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS.</p> <p>NOTE: If Two-Way Communication is enabled, Simulation 1–Simulation 10 do not appear in the list of profiles and the profile names differ slightly.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see Color Printing.</p>
Collated Off/On	<p>Specifies the collated output.</p>	<p>This option is only available on Mac OS X.</p>
Color Mode CMYK/Grayscale (Command WorkStation) or Print Mode Standard Color/Expert Color/ Grayscale (Mac and PostScript Printer drivers)	<p>Specify the color mode for the current print job.</p> <p>Select Standard Color, CMYK, or Expert Color for a full-color document.</p> <p>Select Grayscale for a grayscale or black-and-white document.</p>	<p>These settings differ depending on which printer driver you use.</p> <p>For more information, see Color Printing.</p> <p>For Windows, you must click Expert Settings to set other color print options, including Black Overprint, Black Text/Graphics, and Print gray using black only.</p>

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Combine Separations <u>On/Off</u>	When printing separations from supported desktop publishing applications: Select On to combine separations on a single page. Select Off to view separations as four individual black-and-white pages, each representing one color plate.	For more information, see Color Printing .
Composite Overprint <u>On/Off</u>	Specify how to print the colors of overlapping images. Select On to print a combination of background and foreground colors where objects overlap. Select Off to hide the background object where images overlap.	For more information, see Color Printing .
Convert Paper Sizes <u>No/</u> Letter/11x17 (LD) -> A4/A3/ A4/A3 -> Letter/11x17 (LD)	Choosing an option automatically converts page sizes to the closest regional paper size.	
Copies <u>1-9999</u>	Specify the number of copies of a job you want to print.	Maximum number of copies depends on operating system.
Cover Page <u>Disable/Before Job/After Job/</u> Before and After	Specify whether or not to print a cover page, and the placement of the page in the print job.	
Creep Adjustment <u>Off/Plain/Thick</u>	Creep occurs when booklets have a large number of pages or are printed on heavy media. Use this option to adjust images that may shift from the center of the sheet in booklets. Select Plain when you use normal media paper for your print job. Select Thick when you use thick media paper for your print job.	For more information, see page 26 .
Department ID	If departmental accounting is enabled on the copier, enter department identification, which is used for accounting and statistics.	The Department ID field has a 5-character (numeric) limit. For more information, see Configuration and Setup and the documentation that accompanies your copier.
Duplex <u>Off/Top-Top/Top-Bottom</u>	Specify whether a job is printed single-sided or double-sided (duplex), by specifying the orientation of printed images.	For more information, see page 27 .

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
FreeForm: Create Master <u>None/1-100</u>	To create a FreeForm master for variable data printing, specify a number to assign to the FreeForm master file.	NOTE: Two-Way Communication is required to create 16-100 FreeForm Masters. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . For more information, see Variable Data Printing .
FreeForm: Preview Master <u>Click to preview</u>	Click to generate a low-resolution image of selected FreeForm Master.	For more information, see Variable Data Printing .
FreeForm: Print Master <u>Printer's default/Yes/No</u>	When you create a Master page using FreeForm or another variable data application, select Yes to print the Master file. Use this option to verify or confirm your variable data Master page.	Printer's default reflects the setting specified in GA-1310 Setup. For more information, see Variable Data Printing . NOTE: Applicable click charges occur when you print the Master.
FreeForm: Remove White PPT Background <u>No/Yes</u>	Choose whether to remove white backgrounds.	
FreeForm: Use Master <u>None/1-100</u>	For variable data print jobs, specify the FreeForm master to use for the job.	NOTE: Two-Way Communication is required to use 16-100 FreeForm Masters. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . For more information, see Variable Data Printing .
Halftone <u>Auto/Detail/Smooth</u>	Specify how the halftones are printed for your job. When you choose Auto, the appropriate halftone screen is automatically selected, depending on the image data. When you choose Detail, all objects are printed with high resolution and a less jaggy halftone screen. When you choose Smooth, all objects are printed using a smooth and stable halftone screen.	
Image Quality <u>Normal/Best</u>	Select Normal to provide a good quality image at high print speed. Select Best for highest quality, with a trade-off in printing speed.	
Image Shift <u>On/Off</u>	Select On to adjust an image on the page for various finishing options, such as stapling or binding.	For more information, see page 28 .

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Image Shift: Align front and back images <u>On</u> / <u>Off</u>	Specify to align the front cover image to the back cover image when using the Image Shift print option.	For more information, see page 28 .
Image Shift: Units <u>mm</u> / <u>inches</u> / <u>points</u>	Specify the measurement values when using the Image Shift print option.	For more information, see page 28 .
Image Smoothing <u>On</u> / <u>Off</u>	Select On to minimize grainy output when printing low-resolution images. When you select On, Image Smoothing is enforced on all images.	If you create an EPS file in Photoshop, the settings specified from Photoshop take effect.
Imposition Reduction <u>On</u> / <u>Off</u>	<p>Specify to automatically scale up or down the page content to maximize paper usage and ensure that all page content appears.</p> <p>Select Off if you do not want the page content to be scaled. If you select Off, you may notice unwanted clipping.</p> <p>Select On when the original document size is to be printed on the same paper size by reducing the imageable area by up to one half.</p>	NOTE: If Imposition Reduction is set to Off, make sure you select the actual print size of your document output using the Print Size option.
Instructions	Enter instructions for the operator about the print job.	This field has a 127-character (alphanumeric and special characters) limit.
Manual Duplex <u>Off</u> / <u>On</u>	Specify On for manual duplexing.	For more information, see page 27 .
Media Type <u>Plain Paper</u> / <u>Recycled</u> / <u>Transparency</u> / <u>Thick 1</u> / <u>Thick 1 (Back)</u> / <u>Thick 2</u> / <u>Thick 2 (Back)</u> / <u>Thick 3</u> / <u>Thick 3 (Back)</u> / <u>Thick 4</u> / <u>Thick 4 (Back)</u> / <u>Special 1</u> / <u>Special 1 (Back)</u> / <u>Special2</u> / <u>Special 2 (Back)</u> / <u>Tab</u> / <u>Plain(Auto)</u> / <u>Plain 1</u> / <u>Plain 2</u>	Specify the media type to use for the entire job.	.
Mirror <u>Off</u> / <u>On</u>	Specify On to print the mirror image of the job.	
Mixed Media <i>Define</i>	Click Define to specify different media types, paper source, and chapter-based finishing for pages, or ranges of pages, within a print job.	<p>For more information on Mixed Media, see Utilities.</p> <p>NOTE: This feature is not available for Mac OS printing.</p>

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Mixed Media: Cover Page Mode <u>Printer's Default</u> /Print on front only/Print on Back Only/Print on Both Sides	Specifies how a cover of a mixed media job is printed. Specify Print on Front Only if you want to print on the front of the cover page. Specify Print on Back Only if you want to print on the back of the cover page. Specify Print on Both Sides if you want to print on the back and the front of the front cover.	For more information on Mixed Media, see Utilities .
Mixed Media Insertion Type <u>None</u> /Blank/Tab	Specify different finishing settings for sections or chapters in a mixed media job.	For more information on Mixed Media, see Utilities .
Notes 1/Notes 2	Enter information about the job.	The Notes fields have a 31-character limit.
Orientation <u>Portrait</u> /Landscape	Specify Portrait or Landscape page orientation of the document.	This option is available only from Windows printer drivers. For Mac OS, use the Orientation Override option.
Orientation Override <u>Off</u> /Portrait/Landscape	For jobs with incorrect (or missing) orientation, this option specifies the orientation for finishing settings and for proper n-up layouts.	This option does not change the orientation of the PostScript file. This option is also used for duplex printing on systems that use the TopTop and TopBottom values instead of the LongEdge and ShortEdge defaults.
Output Profile Use Media Defined Profile/ <u>Use Server's default</u> / Use Output Profile: Output-1/ Output-2/Output-3/Output-4/ Output-5/Output-6/Output-7/ Output-8/Output-9/Output-10	Specify the output profile to use for the current print job. You can associate a downloaded ICC profile with one of the Output Profile settings to manage the color conversion on the GA-1310.	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Use Server's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS.</p> <p>NOTE: If Two-Way Communication is enabled, Output 1–Output 10 do not appear in the list of profiles. Instead, the specific output profile names appear.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see Color Printing.</p>
Output Tray <u>AutoSelect</u> /Upper Exit Tray/Side Exit Tray/Tray 1/Tray 2/Saddle Tray	Specify the output tray for your print job.	

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Page Order <u>Forward</u> /Reverse	Select Forward to print the pages of your job from first to last.	
	Select Reverse to print the pages of your job from last to first.	
Page Range/Print Range	Enter a page or page range to print a portion of a job.	For VDP jobs, a range of Records can be selected for printing. For imposed VDP jobs, a range of Records & Sheets can be printed. For imposed jobs, a range of Sheet IDs can be selected for printing.
Page Size <u>Letter</u> /Letter-R/A4/A4-R/A5-R/ B5/B5-R/A6-R/Folio/13" LG/ Legal/B4/A3/11x17(LD)/ 12x18(A3+)/13x19/16K/16K-R/ 8K/8.5"SQ/Statement-R/ Computer/320x450mm/ 320x460mm/Letter Tab/A4 Tab/ Postscript Custom Page Size	Specify the paper size on which to print the document.	For information about Custom Page Sizes, see Printing from Windows or Printing from Mac OS .
Pages per sheet <u>1-up</u> /2-up/4-up/6-up/9-up/ 16-up	When printing multiple document pages on single sheets, use this option to specify the number of document pages per sheet.	
Paper Source <u>AutoSelect</u> /Drawer 1/Drawer 2/ Drawer 3/Drawer 4/ Bypass Feeder/ Large Capacity Feeder/ External LCF	Specify the paper tray to use for your job. The AutoSelect setting automatically selects the tray containing the paper size specified for the job.	
Print Gray using Black Only (CMYK) Printer's default/ Off / <u>Text/Graphics</u> / <u>Text/Graphics/Images</u>	Select these settings to print a CMYK job using black toner instead of processed black. Select Text/Graphics to render text and graphic elements (vectors) in grayscale using black only, when cyan=0, magenta=0, and yellow=0 and the black (K) value is between 1 and 100. Select Text/Graphics/Images to render text, graphic elements (vectors), and images (rasters) in grayscale using black only, when cyan=0, magenta=0, and yellow=0 and the black (K) value is between 1 and 100.	NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . This option is designed to use black efficiently by using only black toner (rather four-color processed black). It is also designed to reduce click charges, ensuring that a single black-and-white charge is incurred, instead of four color when using a processed black. To access this option click Expert Settings.

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Print Gray using Black Only (RGB) Printer's default/ Off / Text/Graphics Text/Graphics/Images	<p>Select these settings to print an RGB job using black toner instead of processed black.</p> <p>Select Text/Graphics to render text and graphic elements (vectors) in grayscale using black only rather than processed black, when the colors are defined with equal values in all three channels, for example red=128, green=128, and blue=128.</p> <p>Select Text/Graphics/Images to render text, graphics (vectors), and images (rasters) in grayscale using black only, when the colors are defined with equal values in all three channels, for example red=128, green=128, and blue=128.</p> <p>For both settings, RGB values can range from R=0, G=0, B=0 to R=255, G=255, B=255.</p>	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS.</p> <p>This option is designed to use black efficiently by using only black toner (rather processed black). It is also designed to reduce click charges, ensuring that a single black-and-white charge is incurred, instead of multiple charges when using a processed black.</p> <p>NOTE: The option is especially useful with PowerPoint and other Microsoft applications, which do not always properly register RGB conversion to grayscale.</p> <p>To access this option click Expert Settings.</p>
Print Page Borders On/Off	<p>Specify On to print page borders, when Pages per sheet is set to 2-up or greater.</p>	<p>NOTE: This option is not available for Windows PostScript printing.</p>
Print Size Same as Document Size/ Letter/Letter-R/A4/A4-R/ A5-R/B5/B5-R/A6-R/Folio/ 13"LG/Legal/B4/A3/11x17(LD)/ 12x18(A3+)/16K/16K-R/8K/ 8.5"SQ/Statement-R/Computer/ 320x450mm/320x460mm/ Letter Tab/A4 Tab/13x19	<p>Specify the actual print size of your document.</p>	<p>For Custom Page Sizes, see Printing from Windows or Printing from Mac OS.</p>
Punch Off/2 Hole Punch/ 2/3 Hole Punch/ 4 Hole Punch Type E/ 4 Hole Punch type NE	<p>Specify the number of holes to punch for your print job.</p>	<p>A finisher must be installed to use this option.</p> <p>For information about installing finishers and other installable options, see Printing from Windows and Printing from Mac OS.</p>
Punch Position None/Left/Right/Top/Bottom	<p>Specify where to punch holes for your print job.</p>	
Remove White PPT Background On/Off	<p>Select On when using PowerPoint to create variable data in conjunction with FreeForm.</p>	

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Rendering Style <u>Printer's default/</u> <u>Photographic/Presentation/</u> <u>Absolute Colorimetric/</u> <u>Relative Colorimetric</u>	Specify a default color rendering dictionary (CRD) to use when you print RGB images, objects, and text.	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see <i>Printing from Windows</i> or <i>Printing from Mac OS</i>.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see <i>Color Printing</i>.</p>
Resolution <u>600 dpi/1200 dpi</u>	Specify the print resolution	
RGB Separation <u>Printer's Default/Simulation/</u> <u>Output</u>	<p>Select Simulation for RGB jobs for which you want to simulate an output device other than the device to which you are printing.</p> <p>Select Output for RGB jobs that you are printing to the final output device.</p>	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see <i>Printing from Windows</i> or <i>Printing from Mac OS</i>.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see <i>Color Printing</i>.</p>
RGB Source Profile <u>Printer's Default/Fiery RGB v5/</u> <u>Apple Standard/sRGB (PC)/</u> <u>Adobe RGB (1998)/ECI-RGB/</u> <u>EFIRGB/None/Source 1-10</u>	Specify a source color space definition for printing RGB images, objects, and text.	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see <i>Printing from Windows</i> or <i>Printing from Mac OS</i>.</p> <p>NOTE: If Two-Way Communication is enabled, Source 1–Source 10 do not appear in the list of profiles and the profile names differ slightly.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see <i>Color Printing</i>.</p>
Rotate 180 <u>On/Off</u>	Specify if you want to rotate the pages of your job 180 degrees.	
Save Fast Reprint <u>Off/On/RIP only</u>	Specify whether to save a job's raster data to disk after printing, so the data will be available later for quick reprinting (without reRIPping).	NOTE: With this option set to On, all print option settings remain with the saved raster data each time the job is reprinted. To print the job with new print option settings, you must remove the raster data and reRIP the job.

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Scale <u>100%</u> /25-400%	Specify a scaling measurement for your print job.	The supported range is 25 to 400.
Scale to Fit <u>Off</u> /On	Choose On to scale the document size to the paper size.	
Secure Print	Use Secure Print to print sensitive or confidential jobs only when you are present at the copier. To use Secure Print, you enter an arbitrary password from printer driver and reenter it from the copier touch panel when you are present at the copier.	For more information, see page 29 . For more detail, see the documentation that accompanies your copier.
Sharpness <u>4 Sharpest</u> /3/2/1/ <u>0 Normal</u> / -1/-2/-3/-4 <u>Softest</u> /Off	Change the Sharpness setting to alter the results of a print job. Select Off for no alteration of the print job. Select 4 Sharpest, 3, 2, or 1 to increase the clarity of the printed image. Select -1, -2, -3, or -4 Softest to decrease the clarity of the printed image. Selecting “-” sharpness is effective when printing low resolution data such as a web page. Select 0 Normal to render a slight sharpness.	
Slip Sheet <u>On</u> /Off	Specify whether to insert a slip sheet between copies or pages of multiple-copy jobs.	This option is effective only for non-sorted or collated jobs.
Slip Sheet Page Size <u>Letter</u> /Letter-R/A4/A4-R/A5-R/ B5/B5-R/13”LG/Legal/B4/A3/ 11x17(LD)/12x18(A3+)/ Statement-R/320x450mm/ 320x460mm/13x19	Specify the page size to use for the slip sheet.	
Slip Sheet Paper Source <u>Bypass Feeder</u> /Drawer 1/ Drawer 2/Drawer 3/Drawer 4/ Large Capacity Feeder/External LCF	Specify the paper tray to use for the slip sheet.	
Sorter Mode <u>Collate</u> /Non-sort/Sort/Group	Specify how to output multiple-page/multiple-copy jobs.	

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
Spot Color Matching <u>Printer's Default/On/Off</u>	<p>Select Off to print specified PANTONE colors in your job using the current CMYK Simulation and CMYK Simulation Method.</p> <p>Select On to activate the PANTONE Lookup Table. The GA-1310 prints specified PANTONE colors in your job by matching the CMYK print blend to the same color from the PANTONE library.</p>	<p>NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools.</p> <p>For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS.</p> <p>To access this option click Expert Settings.</p> <p>For more information, see Color Printing.</p>
Stapler Mode <u>Off/Left Top Single/Right Top Single/Left Bottom Single/Right Bottom Single/Left Double/Bottom Double/Right Double/Top Double</u>	Specify the position and number of staples.	<p>A finisher must be installed to use this option.</p> <p>For information about installing finishers and other installable options, see Printing from Windows and Printing from Mac OS.</p>
Substitute Colors <u>Off/On</u>	Select On to use the Substitute Color Values defined in the ColorWise Pro Tools Spot-On module.	For more information, see Color Printing .
Tab Shift <u>None/0.5 inch</u>	Choose whether or not to print on the tab ear.	
Toner Reduction <u>On/Off</u>	<p>Select On to reduce all CMYK output values by a copier-specified percentage.</p> <p>This option is typically used for thin paper (e.g., 64-74gsm) printed with heavy toner coverage, which may jam the copier fuser.</p>	
Toner Save <u>On/Off</u>	<p>Select On if you want to conserve toner.</p> <p>This mode is typically used for printing drafts; setting this mode to On will substantially lighten the entire image.</p>	
Transparency Interleaving <u>On/Off</u>	Specify if you want to print with transparency Interleaving.	
Transparency Interleave Paper Source <u>Drawer 1/Drawer 2/Drawer 3/Drawer 4/Large Capacity Feeder/External LCF</u>	Specify the tray to use for the paper inserted between transparencies.	
Tray Alignment <u>Enable/Disable</u>	Specify if you want to enable tray alignment.	For more information, see Utilities .

Option and settings (default setting is underlined)	Description	Requirements, constraints, and information
User Authentication: I'm a Guest <u>On/Off</u>	Select On to allow you to do guest printing.	Guest printing must be set to On in the GA-1310. For more information, see page 30 .
User Authentication: Password <i>Enter a password</i>	If User Authentication is enabled on the GA-1310 or the copier, enter Username and Password to print the job.	If you are logged on to a Windows system (as a domain user) you can automatically use your Windows login, otherwise type the local password or domain password. For Mac OS, select Owner Information and enter login information in the User Name and Password fields. For information about the copier's user authentication, see the documentation that accompanies your copier.
User Authentication: Save User Info <u>On/Off</u>	Select On to allow you to save the user name and password information or the guest option for subsequent sessions for user authentication.	For more information, see page 30 .
User Authentication: Use Windows Login <u>On/Off</u>	If you are logged in to your Windows computer, select Use Windows Login for user authentication. This option appears when you login to your domain on your Windows computer.	NOTE: This option is not applicable to Mac OS. For more information, see page 30 .
User Authentication: Username <i>Enter a username</i>	If User Authentication is enabled on the GA-1310 or the copier, enter Username and Password to print the job. If user accounting is enabled on the copier, use this field to enter your domain\user name to print the job.	If you are logged on to a Windows system, you may automatically use your Windows login, otherwise type the local username or domain\username. For Mac OS, select Owner Information and enter login information in the User Name and Password fields. For information about the copier's user accounting, see Configuration and Setup and the documentation that accompanies your copier.
Watermarks <u>Edit/New/Delete</u>	Select a standard watermark from the list. Select Edit to modify an existing watermark. Select New to create your own watermark. Select Delete to remove watermark from the list.	NOTE: This option is not available for Mac OS.
Watermarks: Print Watermarks <u>First Page Only</u>	Select First Page Only if you want only the first page to include a watermark.	NOTE: This option is not available for Mac OS.

Additional information

The following sections provide additional information about print options. For more information about the settings, requirements, and constraints in effect for these options, see the table that starts on [page 10](#).

Auto Trapping

Trapping is a technique to print some objects slightly larger or smaller than specified in an application, in order to prevent white edges around the objects. These white edges, or “halos,” can be caused by factors such as misregistration, the physical properties of the toners, and the stiffness of the media. The Auto Trapping feature provides you with advanced trapping settings and gives you full control over their values.

For more information, see [Color Printing](#).

Booklet Maker

Use the Booklet Maker option to arrange the pages of your print job in special layouts for folding or cutting after printing.

You can use the Booklet Maker Front Cover and Back Cover options to define single- or double-sided covers and Cover Source to select a different media type for the covers of printed booklet.

You can use the Center Margin option to assign a *fixed* center margin; or the Centering Adjustment option to position the image on the page *relative* to the X and Y axes. For more information, see “[Center Margin](#)” on page 25 and “[Centering Adjustment](#)” on page 25.

You can also use Creep Adjustment to adjust the image shifting that may occur when you print booklet jobs with a large number of pages or on heavy media. For information, see “[Creep Adjustment](#)” on page 26.

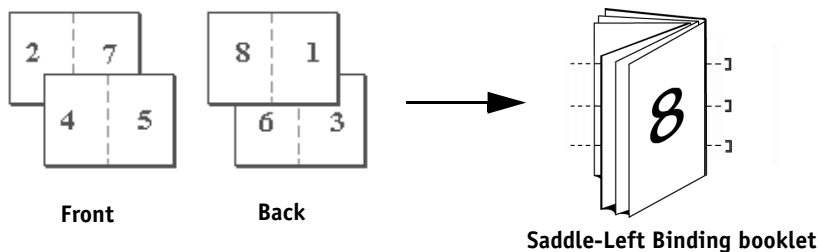
NOTE: Custom Paper Sizes are not supported when creating a booklet.

The following booklet methods are supported:

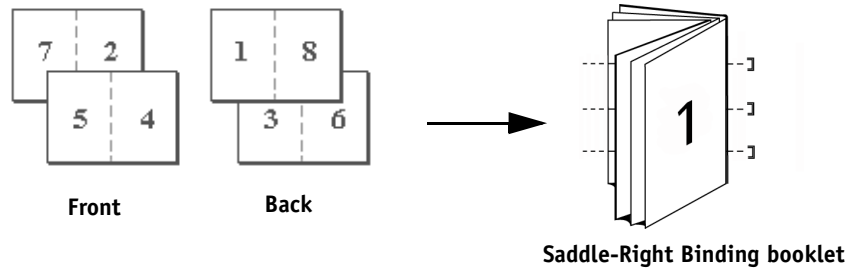
Off: Choose the Off setting to print a job without any booklet imposition features.

Saddle-Left Binding: Choose this setting to print entire documents that are folded and stacked in booklet order. Finished pages can be stapled or stitched across the center fold or spine.

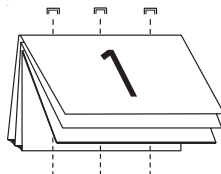
Saddle binding booklets



Saddle-Right Binding: This option is the same as the Left Binding booklet, except that the page order sequence is from right to left.



Saddle (top) Binding: This option is the same as Right Binding booklet, except that the finished pages are stapled or stitched along the top of the spine.



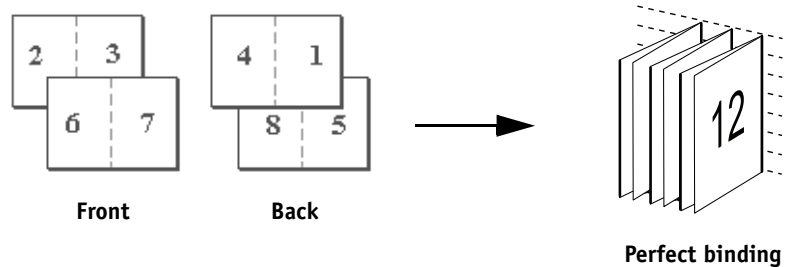
Saddle (top) Binding booklet

Perfect-Left Binding: Choose this setting to print separate folded pages that are stacked in booklet order. Finished pages are stitched adjacent to one another for trimming or gluing.

Perfect-Right Binding: This option is the same as Perfect-Left Binding, except that the page order sequence is from right to left.

Perfect (top) Binding: Choose this setting to print separate folded pages that are stacked in booklet order and stitched adjacent to one another along the top of the spine.

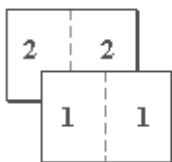
Perfect booklets



Gang-Up-Double Print: Choose this setting to print a job so that the data on the first page is duplicated on the first sheet. The next sheet duplicates the data on the second page, and so forth. When each of the printed copies is cut in half, the result is two complete sets of the same document.

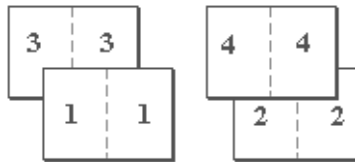
Gang-Up - Double Print

Single-sided



Front only

Double-sided (Duplex)



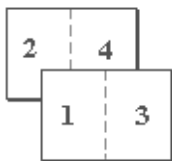
Front

Back

Gang-Up-Speed Print: Choose this setting to speed print a job so that when the sheets are stacked and cut from the central position, the job is numbered in order and separated as two stacks. The order of print is such that when they are cut in half, they can be combined to form a single complete set of the document, in faster printing time.

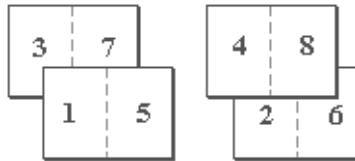
Gang-Up - Speed Print

Single-sided



Front only

Double-sided (Duplex)



Front

Back

Center Margin

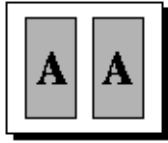
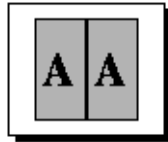
Use this option to specify a *fixed* margin value (0–50 millimeters or 0.00–1.97 inches) at the folding line for booklet printing.

NOTE: The Centering Margin option is available only when Booklet Maker is selected.

Centering Adjustment

Use this option to specify how you want the image positioned on the page *relative* to X (horizontal) and Y (vertical) axes of the page.

The following table illustrates the Centering Adjustment settings:

Centering Adjustment setting	Image position on page
<p>XY Centering</p> <p>Positions the image in the center of the page.</p>	
<p>Bottom X Centering</p> <p>Positions the image flush with the center margin of the page.</p>	

NOTE: Centering Adjustment is an option only when Booklet Maker settings are selected, and the Pages per sheet option is set to 1-up.

Creep Adjustment

Creep occurs in booklets that contain a large number of pages or when booklets are printed on heavy media. As sheets are folded to create separate pages areas, each fold causes a small incremental shift in the location of the edge of each page relative to the others, as well as the content areas imaged on those pages. Use this option to adjust images that may shift from the center of the sheet.

Off: Choose to print booklet jobs without any adjustment.

Plain: Choose when printing booklet jobs with a large number of pages on plain media.

Thick: Choose when printing booklet jobs on thick media.

NOTE: Even if you select Thick from the Creep Adjustment menu, your job will still print on Plain paper unless you have selected thick media from the Paper Type and Paper Weight menus.

NOTE: To use this option you must enable the Booklet Maker option.

Duplex

The GA-1310 copier is equipped for automatic duplex printing. When the Duplex print option is set to one of the duplex settings, the copier automatically turns the paper for printing on the opposite side.

TO PRINT DUPLEX PAGES AUTOMATICALLY

- 1 Choose Print in your application, click Properties and select the Layout tab.**

The location of GA-1310 print options may vary, depending on the printer driver that you use.

- 2 Choose a Duplex setting from the pull-down.**

Top-Top: Prints the top of the image on Side 1 on the same edge of the page as the top of the image on Side 2.

Top-Bottom: Prints the top of the image on Side 1 on the opposite edge of the page from the top of the image on Side 2.

The following table shows how Duplex settings correspond to printed output:

	Top-Top	Top-Bottom
Portrait		
Landscape		

Manual Duplex

Manual Duplexing allows you to feed pages via the bypass tray. If a print job is 10 pages, for example, place the first five pages on the bypass tray, once these pages are printed, replace in the bypass feed for the second half of the print job.

Image Shift

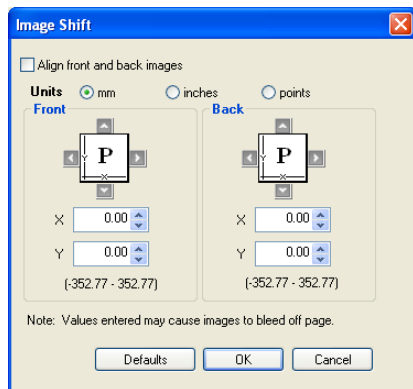
Image Shift allows you to specify how much the image on each page should be shifted relative to the X (horizontal) and Y (vertical) axis. Moving the job content in this way enables you to allow for various finishing options, such as stapling and binding. Image Shift prevents the image from being clipped.

NOTE: This option is available in Windows printer drivers or Command WorkStation.

NOTE: This option is available only for jobs in which the Pages per sheet option is set to 1-up.

TO DEFINE IMAGE SHIFT FOR A PRINT JOB

- 1 In the printer driver, Finishing tab, select the Image Shift check box, and then click the Image Shift Options.



- 2 Select the unit of measurement.
- 3 Type the Front and Back image shift settings in the X and Y axis fields. You can also use the arrow buttons to adjust the image settings.

NOTE: The maximum value for both X and Y axes is 999.99 points/13.89 inches/352.77 mm.

- 4 To align front and back images proportionately, select Align front and back images.

Scale

The operator can specify a scaling override, but the override is applied to any scaling value already set in the active job. For example, if a user sends a job with a scaling value of 50% and the operator specifies a Scale override of 300%, the job is printed at 150% of the original document size, that is, 50% of 300%.

Secure Print

The Secure Print feature offers a level of security for confidential or sensitive print jobs, which print only when you are present at the copier. To use this feature, you first to enter an arbitrary password into the Secure Print field in the printer driver when sending your job to the GA-1310. To print your job, you re-enter the password at the GA-1310 copier touch panel as described in the following procedure.

TO PRINT A SECURE PRINT JOB

- 1 In your application, select **File>Print**.
- 2 Click the **Job Info** icon (Windows) or choose **Owner Information** (Mac OS) and locate the **Secure Print** field.
- 3 Enter an arbitrary password in the **Secure Print** field.

NOTE: The password is limited to alphanumeric characters (do not use symbols).

For more information on entering the password, see [Printing from Windows](#) or [Printing from Mac OS](#).

- 4 Make any other changes to job properties and send your job to the GA-1310.
- 5 At the GA-1310 copier touch panel, press **Fiery**.
- 6 Select **Secure Print** and enter the same password you entered in the **Secure Print** field of the printer driver.

The print jobs which match the password display in the login window.

- 7 Select your print job and choose either **Print** or **Delete**.

NOTE: The screen returns to the main pages after 45 seconds without activity.

User Authentication

If user authentication has been enabled in the GA-1310 Setup, you must enter a valid user name and password to send a print job to the GA-1310. In Command Workstation, the management of jobs is determined by how you have logged on to the GA-1310.

Use Windows Login: Select if you are already logged on to a Windows computer. Otherwise, type your Windows network login information in the Username and Password fields.

Save User Information: Select to save Windows login information. By default, this option is activated.

For Mac OS X: Select Owner Information and enter login information in the User Name and Password fields.

Validate: Click to validate user authorization and to confirm printing privileges. To validate, Two-Way Communication must to be activated. For information about setting up Two-Way Communication, see [Printing from Windows](#) or [Printing from Mac OS](#).

I'm a guest: Choose this option to activate guest printing privileges. By default, guest printing is permitted.

For information about enabling user authentication in the Configure WebTool, see [Configuration and Setup](#).

For information about the *copier's* user authentication, see the documentation that accompanies your copier.

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