EPSON®

EXCEED YOUR VISION

Adobe® PostScript® 3™ Expansion Unit

User's Guide

Adobe® PostScript® 3™

RSA SECURED®

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Contents

Before You Begin

Notes on This Guide

Meanings of Symbols

⚠ *Warning:*	Warnings must be followed to avoid serious bodily injury.

⚠ *Caution:*	Cautions must be followed to avoid damage to this product or bodily injury.

🛈 *Important:*	Notes contain important information on the operation of this product.

Note:	Tips contain useful or additional information on the operation of this product.

Operating System Versions

In this documentation, the following abbreviations are used.

Windows refers to Windows 8.1, 8, 7, Vista, XP.
❏ Windows 8.1 refers to Windows 8.1, Windows 8.1 Pro, and Windows 8.1 Enterprise.

❏ Windows 8 refers to Windows 8, Windows 8 Pro, and Windows 8 Enterprise.

❏ Windows 7 refers to Windows 7 Home Basic, Windows 7 Home Premium, Windows 7 Professional, and Windows 7 Ultimate.

❏ Windows Vista refers to Windows Vista Home Basic Edition, Windows Vista Home Premium Edition, Windows Vista Business Edition, Windows Vista Enterprise Edition, and Windows Vista Ultimate Edition.

❏ Windows XP refers to Windows XP Home Edition, Windows XP Professional x64 Edition, and Windows XP Professional.

❏ Windows Server 2012 refers to Windows Server 2012 Essentials Edition, Server 2012 standard Edition.

❏ Windows Server 2008 refers to Windows Server 2008 Standard Edition and Windows Server 2008 Enterprise Edition.

❏ Windows Server 2008 x64 refers to Windows Server 2008 x64 Standard Edition, Windows Server 2008 x64 Enterprise Edition, Windows Server 2008 R2 Standard Edition, and Windows Server 2008 R2 Enterprise Edition.

❏ Windows Server 2003 refers to Windows Server 2003 Standard Edition and Windows Server 2003 Enterprise Edition.

❏ Windows Server 2003 x64 refers to Windows Server 2003 x64 Standard Edition and Windows Server 2003 x64 Enterprise Edition.

Macintosh refers to Mac OS X.
❏ Mac OS X refers to Mac OS X 10.5.8 and later versions.

License Information

Adobe Systems holds the rights to portions of this manual, which are used with permission.

Features

The main features of this product are described below.

Simulation

This product supports "SWOP", "Euroscale", "Japan Color2001" and other CMYK simulations, allowing you to preview results for offset printing. RGB colors can also be simulated using RGB profiles. The RGB simulations available include Adobe RGB, sRGB, and Apple RGB. The product is also capable of RGB output close to that produced by the (standard) printer driver supplied with the printer. The product supports the following color correction options: "Business Graphics", "Epson Standard (sRGB)", and "Line Drawing".

Direct Print

The supplied "PS Folder" utility lets you print files by dragging and dropping them onto the PS Folder icon. There is no need to launch an application.

Hard Disk

The hard disk supports the same features as the optional hard disk unit. You can:

❏ Display pending print jobs

❏ View and restart paused print jobs

❏ View and restart saved jobs

Attached to a compatible printer with an optional scanner for large-format multifunction printers, the product allows the device to double as a copier and scanner. For information on supported accessories and hard disk and scanning features, see the manual supplied with the printer.

Notes on Use

Observe the following precautions when using this product:

❏ This product is for printers only and can not be used with computers or other devices.

   For the latest information on supported printers, visit the Epson website (http://www.epson.com).

❏ The hard disk may require formatting before the product can be used with other supported printers. The hard disk can be formatted using the Administrator Menu > **Manage HDD** option in the device control panel.

❏ Data transferred to this product can not be copied to computers or other devices.

❏ Data may be recoverable from this product after it has been formatted. Epson recommends that this product be physically destroyed prior to disposal.

Data Stored on This Product
Data stored on this product can not be copied to a computer. Be sure that the original data for print jobs stored on this device have been saved to a computer. Data may be deleted from this device as a result of:

❏ Static electricity or electrical noise

❏ Operator error

❏ Malfunction or repairs

❏ Natural disasters and other acts of God

Even should it occur within the warranty period, Epson will not be held liable for loss or recovery of data stored on this device as a result of any cause, including but not limited to those listed above.

Before You Begin

Introducing the Supplied Software

Contents of the Software Disc

The supplied software disc contains the following software. Install as required.

Software name	
Epson Driver and Utilities	The following software is installed. **Printer Driver** The PS printer driver is required when using this device. The PS printer driver is installed if installation is performed during product setup. U "How the PS Driver Differs from the Standard Printer Driver" on page 12 **EPSON LFP Remote Panel 2** This application is used for custom paper settings. See online help for details.
PS Folder	This application lets you print files in supported formats (PS, EPS, PDF, TIFF, JPEG, and CALS-G4) by dragging and dropping them onto the PS Folder icon, eliminating the need to open files in another application. U "PS Folder" on page 32

Setting up the Software

Windows

When installing this software, log in to an account with administrator privileges.

Installing the PS Driver

Follow the steps below to install the PS driver and EPSON LFP Remote Panel 2.

> *Note:*
> ❏ *Exit any anti-virus software before running the installer.*
>
> ❏ *For information on your network setup, contact the network administrator.*
>
> ❏ *If the computer is part of a network, configure the printer so it visible on the network. Adjust network settings with reference to the printer manual.*

1 Confirm that the printer is off.

2 Start Windows and insert the supplied software disc.

(1) In the **AutoPlay** dialog, confirm that the publisher is SEIKO EPSON and click to proceed.

(2) Click **Yes** or **Continue** in the **User Account Control** dialog.

3 When the license agreement is displayed, read the agreement, select **Accept**, and click **Next**.

4 Follow the on-screen instructions to complete installation.

Installing PS Folder

This section describes how to install PS Folder. Install as required.

1 Start Windows and insert the supplied software disc.

(1) In the **AutoPlay** dialog, confirm that the publisher is SEIKO EPSON and click to proceed.

(2) Click **Yes** or **Continue** in the **User Account Control** dialog.

2 When the license agreement is displayed, read the agreement, select **Accept** and click **Next**.

3 Follow the on-screen instructions until the following dialog is displayed.
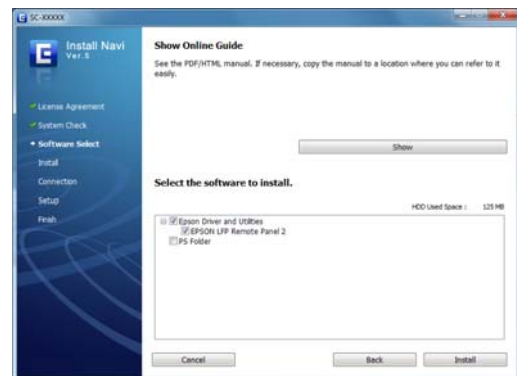
4 After reviewing the dialog displayed in Step 3 to ensure that **PS Folder** is the only option selected, click **Install**.

5 Follow the on-screen instructions to complete installation.

Mac OS X

Installation and Setup

Configure the printer after installing the PS driver and EPSON LFP Remote Panel 2.

A Confirm that the printer is off.

B Start Mac OS X and insert the supplied software disc.

C Click Install Navi.

D When the license agreement is displayed, read the agreement, select **Accept** and click **Next**.

E Follow the on-screen instructions to complete installation.

F Turn the printer on.

G Select **System Preferences** in the Apple menu and click **Print & Scan** (or **Print & Fax**).
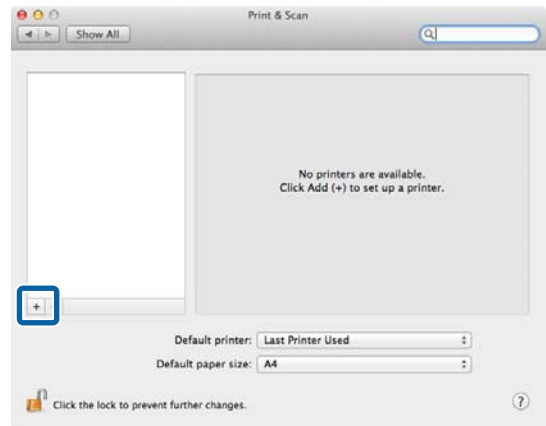
H Click +.

I Select your printer and click **Add**.

> *Note:*
> *If your printer does not appear next to **Print Using**, reselect your printer and click **Add**.*

Installing PS Folder

This section describes how to install PS Folder. Install as required.

A Start Mac OS X and insert the supplied software disc.

2 Scroll down to the **Apps** folder, which is concealed at the bottom of the window, and open it.
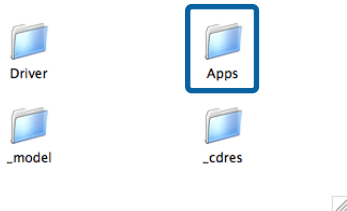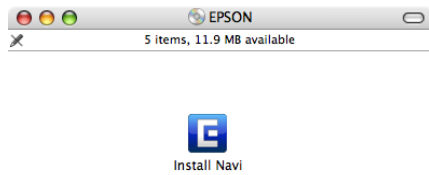
3 Click **PSFolder**.
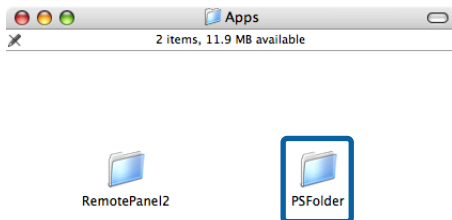
4 Copy the zip file to the desktop and extract it.
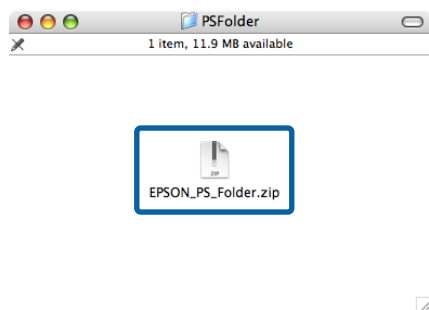
Uninstalling PS Driver Software

Windows

Follow the steps below to uninstall the PS driver and the supplied software.

> **! Important:**
> ❏ *Log in to an account with administrator privileges.*
>
> ❏ *Enter the administrator password if prompted.*

1 In the case of PS Folder, the first step is to manually delete user-created folders by dragging them into the Recycle Bin.

Proceed to the next step to delete the driver and other software.

2 Turn the product off and disconnect the interface cable.

3 Open the **Control Panel** and select **Programs** > **Uninstall a program**.

4 Select the software you want to uninstall and click **Uninstall/Change** (or **Change/Remove** or **Add/Remove**).
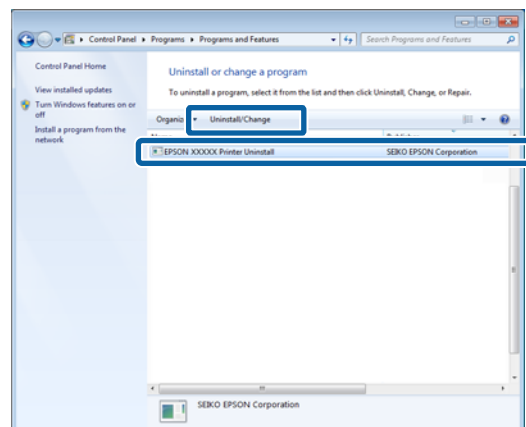
5   If you selected the printer driver, select the icon
for this product and click **OK**.
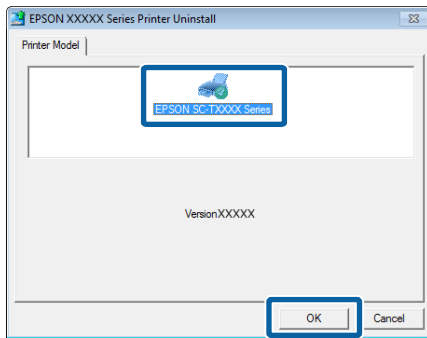
6   Follow the on-screen instructions to complete
the process.

If a confirmation dialog is displayed, click **Yes**.

If you intend to reinstall the PS driver, restart the
computer.

Mac OS X

Uninstall the PS driver or software before upgrading to a
new version or reinstalling the current version.

Uninstalling the Printer Driver

Use the "Uninstaller".

Downloading the Uninstaller
Download the "Uninstaller" from the Epson website.

http://www.epson.com/

Using the Uninstaller
Follow the instructions provided at the site from which
you downloaded the "Uninstaller".

Uninstalling the EPSON LFP Remote Panel 2

Drag the **EPSON Remote Panel 2** folder from
Applications into the **Trash**.

Uninstalling the PS Folder

Manually delete user-created folders by dragging them
into the Trash.

PS Driver Options

How the PS Driver Differs from the Standard Printer Driver

Before describing the PS driver supplied with this product, this manual will explore the differences between it and the standard driver supplied with the printer. A separate description of the features unique to the PS driver is given for each operating system. For information on the standard driver supplied with the printer, see online help.

U "Windows" on page 12

U "Mac OS X" on page 21

Windows

Using the dialog for the PS driver supplied with this product as a guide, this section explores the differences between it and the standard driver supplied with the printer and describes the features unique to the PS printer driver.

PS Driver Options

The Printer Settings Tab

Except when **PostScript Color Transformation** is selected in the dialog displayed when the **Speed and Progress** button is clicked in the **Utility** tab, the PS and standard printer driver dialogs are distinguished only by the **Edge Smoothing** option.

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Select Target	Not available
❷	Color Mode	Not shown, but can be adjusted by clicking **Settings** button to display **Color Controls** dialog.
❸	Not available	RGB Source
❹	Not available	CMYK Simulation
❺	Edge Smoothing	Dot Correction
❻	Print Preview	Not available
❼	Layout Manager	Not available

Features Unique to the PS Printer Driver

Asterisks ("*") indicate factory default settings.

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PS Driver Options

Item	Option	Description	
❸	RGB Source	Choose the simulated RGB color definition when printing RGB data. This option is not available when black is selected.	
		sRGB	The color standard for most monitors.
		Adobe RGB (1998) *	A color standard defined by Adobe.
		Apple RGB	The color standard for Apple monitors.
		ColorMatch RGB	The color standard for Radius PressView monitors.
		Off	No simulation.

PS Driver Options

Item	Option	Description	
❹	CMYK Simulation	Choose the simulated CMYK color definition for output that reproduces the colors of the CMYK inks used in offset printing. This option is not available when black is selected.	
		SWOP v2	A standard used in the US publishing industry for color printing on coated paper.
		US Web Uncoated v2	A standard used in the US publishing industry for color printing on wood free paper.
		US Sheetfed Coated v2	A standard used in the US publishing industry for color printing on coated paper.
		US Sheetfed Uncoatedv2	A standard used in the US publishing industry for color printing on wood free paper.
		Coated GRACoL 2006	An US color standard for sheet-fed offset printing on Grade 1 paper.
		SWOP Grade 3 Paper	A standard used in the US publishing industry for color printing on Grade 3 paper.
		SWOP Grade 5 Paper	A standard used in the US publishing industry for color printing on Grade 5 paper.
		Coated FOGRA27	An ISO color standard for offset printing on coated paper.
		Web Coated FOGRA28	An ISO color standard for offset printing on web-coated paper.
		Uncoated FOGRA29	An ISO color standard for offset printing on wood free paper.
		Coated FOGRA39	An ISO color standard for offset printing on offset glossy or matte-coated paper.
		Euroscale Coated v2 *	A European color standard for offset printing on coated paper.
		Euroscale Uncoated v2	A European color standard for offset printing on wood free paper.
		JapanWebCoated (Ad)	A color standard developed by the Japan Magazine Publishers Association (JMPA).
		JapanColor2001Coated	A Japanese color standard, developed principally by the ISO/TC130 National Committee, for printing on coated paper.
		JapanColor2001Uncoated	A Japanese color standard, developed principally by the ISO/TC130 National Committee, for printing on wood free paper.
		JapanColor2002Newspape	A Japanese color standard for newsprint, developed principally by the ISO/TC130 National Committee.
		JapanColor2003WebCoate	Version 2 of a color standard developed by the Japan Magazine Publishers Association (JMPA).
		EPSON_TOYO	A color standard developed by Epson and adapted to the unique colors of Toyo inks.
		EPSON_DIC	A color standard developed by Epson and adapted to the unique colors of DIC inks.
		Off	No simulation.

PS Driver Options

Item	Option	Description
❺	Dot Correction	This option may or may not be displayed, depending on the selected Media Type. Select it to improve the fidelity of line reproduction and reduce broken or deformed lines in output from CAD programs and the like.

The Color Controls Dialog

This section describes the differences in the **Color Controls** dialog, which is displayed by clicking the **Settings** button in the **Printer Settings** tab. Except when **PostScript Color Transformation** is selected in the dialog displayed when the **Speed and Progress** button is clicked in the **Utility** tab, the PS and standard printer driver dialogs are identical.

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Mode	Not available
❷	Not available	Rendering Intent
❸	Not available	Black Point Compensation

Features Unique to the PS Printer Driver
Asterisks ("*") indicate factory default settings.

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PS Driver Options

Item	Option	Description	
❷	Rendering Intent	Choose from the following four color-space conversion options (rendering intents) for CMYK and RGB simulations.	
		Absolute	Absolute color coordinates are used to adapt the colors in the original data to the color space used in printing. No color correction is applied to the white point (color temperature) in the original data or printed output. Choose this option for logo colors and other jobs where accurate color reproduction is required.
		Relative	The color coordinates and white point (color temperature) of the output color space are matched to those of the color space used in the original data. This method is frequently used for color matching.
		Perceptual [*]	Colors are converted for a natural-looking match. Choose this option for photographs.
		Saturation	Greater weight is given to the vividness of colors than to the accuracy with which they are reproduced. Choose this option for business graphics, including graphs and figures, in which bright colors are preferred.
❸	Black Point Compensation	Select this option if you notice loss of detail in shadows when converting from a color space with a wide gamut to one with a narrow gamut. This option is off by default.	

PS Driver Options

The Layout Tab
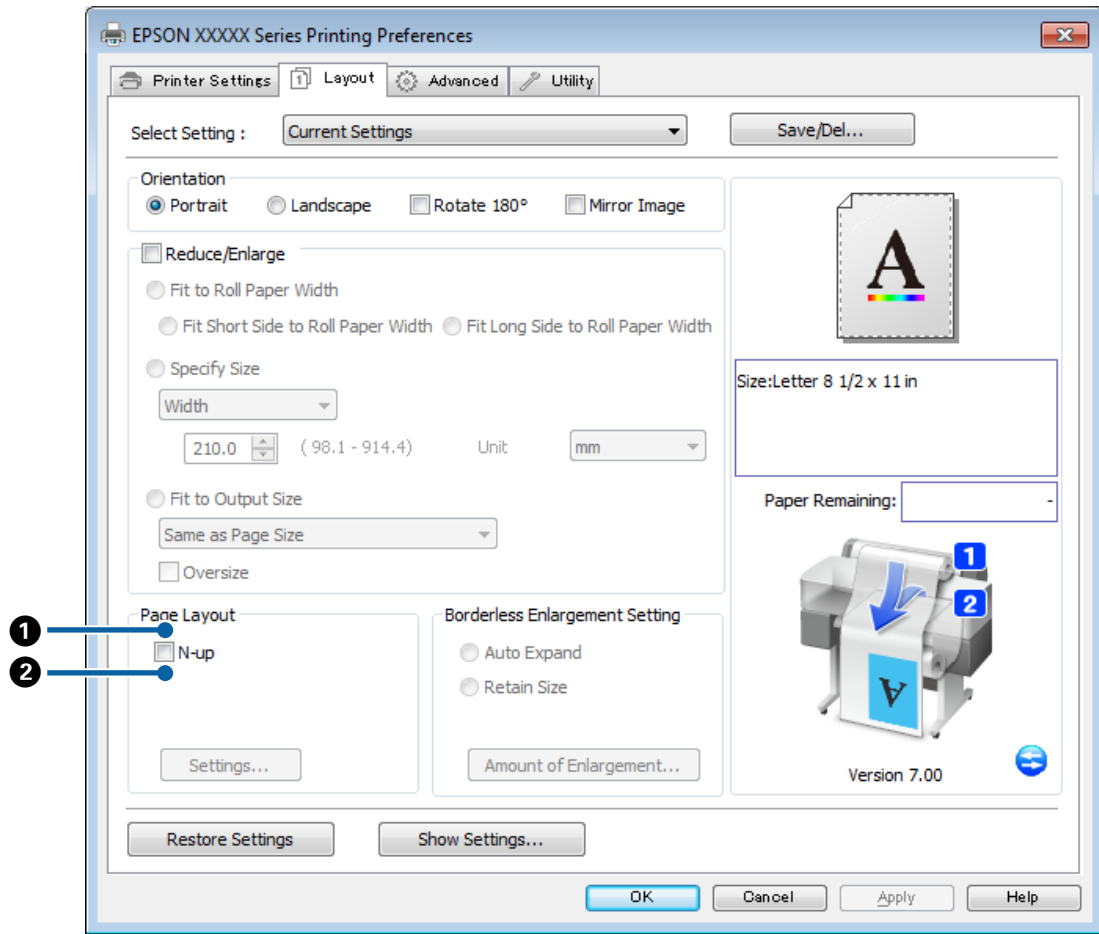
Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Folded Double-Side	Not available
❷	Poster	Not available

The Print Layout Dialog

This section describes the differences in the **Print Layout** dialog, which is displayed by clicking the **Page Layout** > **Settings** button in the **Layout** tab.

PS Driver Options

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Page Order	Not available
❷	Print page frames	Not available

The Advanced Tab

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Banner	Not available
❷	Other Settings	Not available

The Hard Disk Unit Settings Dialog

This section describes the differences in the **Hard Disk Unit Settings** dialog, which is displayed by clicking the **Settings** button in the **Advanced** tab.

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Print after Transmission Completed	Caching to HDD

Features Unique to the PS Printer Driver

Item	Option	Description
❶	Caching to HDD	This item should not be selected in normal circumstances. Select this option only if the print head stops frequently during printing while the unit is processing data.

The Speed and Progress Dialog

This section describes the differences in the **Speed and Progress** dialog, which is displayed by clicking the **Speed and Progress** button in the **Utility** tab.
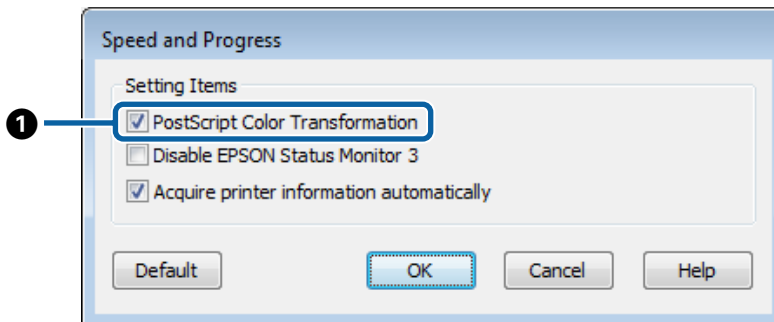
PS Driver Options

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Not available	PostScript Color Transformation This option is on by default.
	High Speed Copies	Not available
	Show Progress Meter	
	Disable EPSON Status Monitor 3	
	Check media type before printing	
	Acquire printer information automatically	
	Process print data by printer	
	Always spool RAW datatype	
	Page Rendering Mode	
	Coarse Rendering	
	Print as Bitmap	
	Allow Applications to Perform ICM Color Matching	
	Change Standard Resolution	
	Optimize Enlargement	

Features Unique to the PS Printer Driver

Item	Option	Description
❶	PostScript Color Transformation	Select this option to process colors using the target CMYK or RGB profile for PostScript color conversion. If this option is not selected, the unit will process colors in the same way as the standard driver supplied with the printer, and different options will be listed in the **Color Controls** dialog, which is displayed by clicking the **Settings** button in the **Printer Settings** tab.

Mac OS X

Using the dialog for the PS driver supplied with this product as a guide, this section explores the differences between it and the standard driver supplied with the printer and describes the features unique to the PS printer driver.

The Printer Settings Dialog

With the exception of **Edge Smoothing**, the dialog displayed when **Off** is selected for **PostScript Color Transformation** in the driver options dialog is identical to that displayed by the standard driver supplied with the printer.
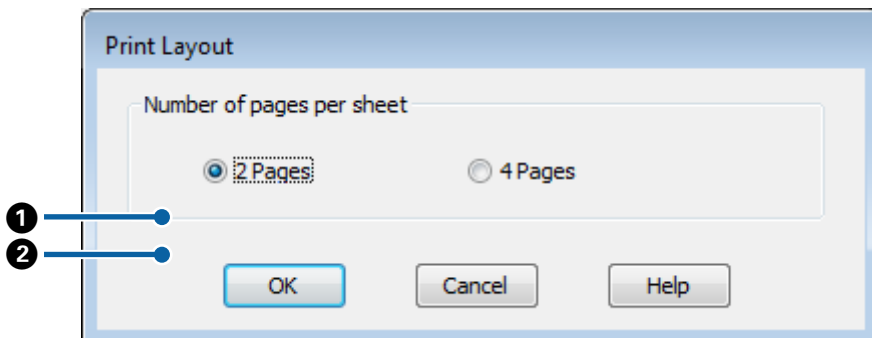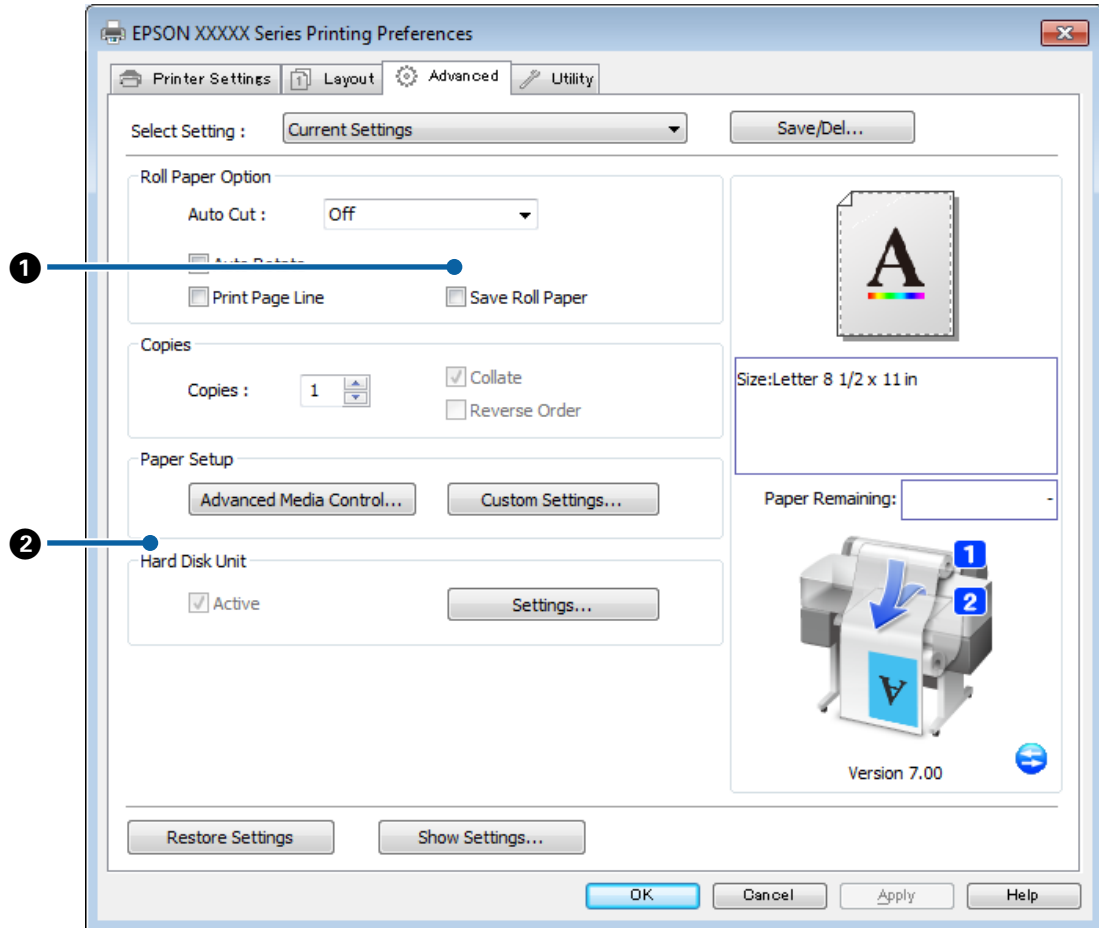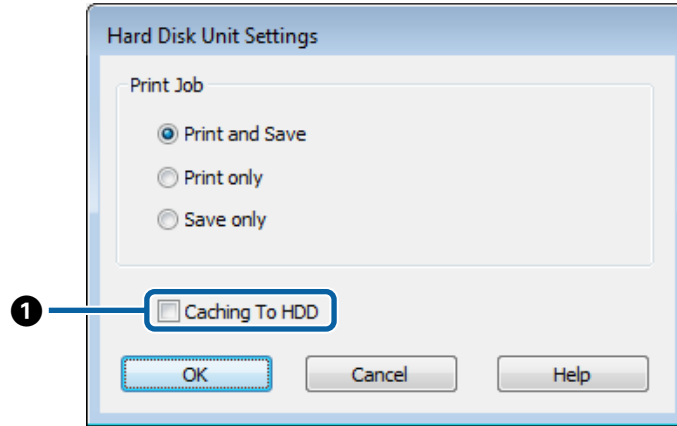

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Select Target	Not available
❷	Color Mode	Not shown, but can be adjusted by clicking **Settings** button to display **Color Controls** dialog.
❸	Edge Smoothing	Dot Correction
❹	Not available	RGB Source
❺	Not available	CMYK Simulation

Features Unique to the PS Printer Driver
Asterisks ("*") indicate factory default settings.

PS Driver Options

Item	Option	Description	
❸	Dot Correction	This option may or may not be displayed, depending on the selected Media Type.	
		Select it to improve the fidelity of line reproduction and reduce broken or deformed lines in output from CAD programs and the like.	
❹	RGB Source	Choose the simulated RGB color definition when printing RGB data. This option is not available when black is selected.	
		sRGB	The color standard for most monitors.
		Adobe RGB (1998) [*]	A color standard defined by Adobe.
		Apple RGB	The color standard for Apple monitors.
		ColorMatch RGB	The color standard for Radius PressView monitors.
		Off	No simulation.

PS Driver Options

Item	Option	Description	
❺	CMYK Simulation	Choose the simulated CMYK color definition for output that reproduces the colors of the CMYK inks used in offset printing. This option is not available when black is selected.	
		SWOP v2	A standard used in the US publishing industry for color printing on coated paper.
		US Web Uncoated v2	A standard used in the US publishing industry for color printing on wood free paper.
		US Sheetfed Coated v2	A standard used in the US publishing industry for color printing on coated paper.
		US Sheetfed Uncoatedv2	A standard used in the US publishing industry for color printing on wood free paper.
		Coated GRACoL 2006	An US color standard for sheet-fed offset printing on Grade 1 paper.
		SWOP Grade 3 Paper	A standard used in the US publishing industry for color printing on Grade 3 paper.
		SWOP Grade 5 Paper	A standard used in the US publishing industry for color printing on Grade 5 paper.
		Coated FOGRA27	An ISO color standard for offset printing on coated paper.
		Web Coated FOGRA28	An ISO color standard for offset printing on web-coated paper.
		Uncoated FOGRA29	An ISO color standard for offset printing on wood free paper.
		Coated FOGRA39	An ISO color standard for offset printing on offset glossy or matte-coated paper.
		Euroscale Coated v2 *	A European color standard for offset printing on coated paper.
		Euroscale Uncoated v2	A European color standard for offset printing on wood free paper.
		JapanWebCoated (Ad)	A color standard developed by the Japan Magazine Publishers Association (JMPA).
		JapanColor2001Coated	A Japanese color standard, developed principally by the ISO/TC130 National Committee, for printing on coated paper.
		JapanColor2001Uncoated	A Japanese color standard, developed principally by the ISO/TC130 National Committee, for printing on wood free paper.
		JapanColor2002Newspape	A Japanese color standard for newsprint, developed principally by the ISO/TC130 National Committee.
		JapanColor2003WebCoate	Version 2 of a color standard developed by the Japan Magazine Publishers Association (JMPA).
		EPSON_TOYO	A color standard developed by Epson and adapted to the unique colors of Toyo inks.
		EPSON_DIC	A color standard developed by Epson and adapted to the unique colors of DIC inks.
		Off	No simulation.

The Color Controls Dialog

This section describes the differences in the **Color Controls** dialog, which is displayed by clicking the **Settings** button in the **Printer Settings** dialog. Note that the dialog displayed when **Off** is selected for **PostScript Color Transformation** in the driver options dialog is identical to that displayed by the standard driver supplied with the printer.

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Not available	Rendering Intent
❷	Not available	Black Point Compensation

Features Unique to the PS Printer Driver
Asterisks ("*") indicate factory default settings.

PS Driver Options

Item	Option	Description	
❶	Rendering Intent	Choose from the following four color-space conversion options (rendering intents) for CMYK and RGB simulations.	
		Absolute	Absolute color coordinates are used to adapt the colors in the original data to the color space used in printing. No color correction is applied to the white point (color temperature) in the original data or printed output. Choose this option for logo colors and other jobs where accurate color reproduction is required.
		Relative	The color coordinates and white point (color temperature) of the output color space are matched to those of the color space used in the original data. This method is frequently used for color matching.
		Perceptual [*]	Colors are converted for a natural-looking match. Choose this option for photographs.
		Saturation	Greater weight is given to the vividness of colors than to the accuracy with which they are reproduced. Choose this option for business graphics, including graphs and figures, in which bright colors are preferred.
❷	Black Point Compensation	Select this option if you notice loss of detail in shadows when converting from a color space with a wide gamut to one with a narrow gamut. This option is off by default.	

PS Driver Options

The Page Layout Settings Dialog
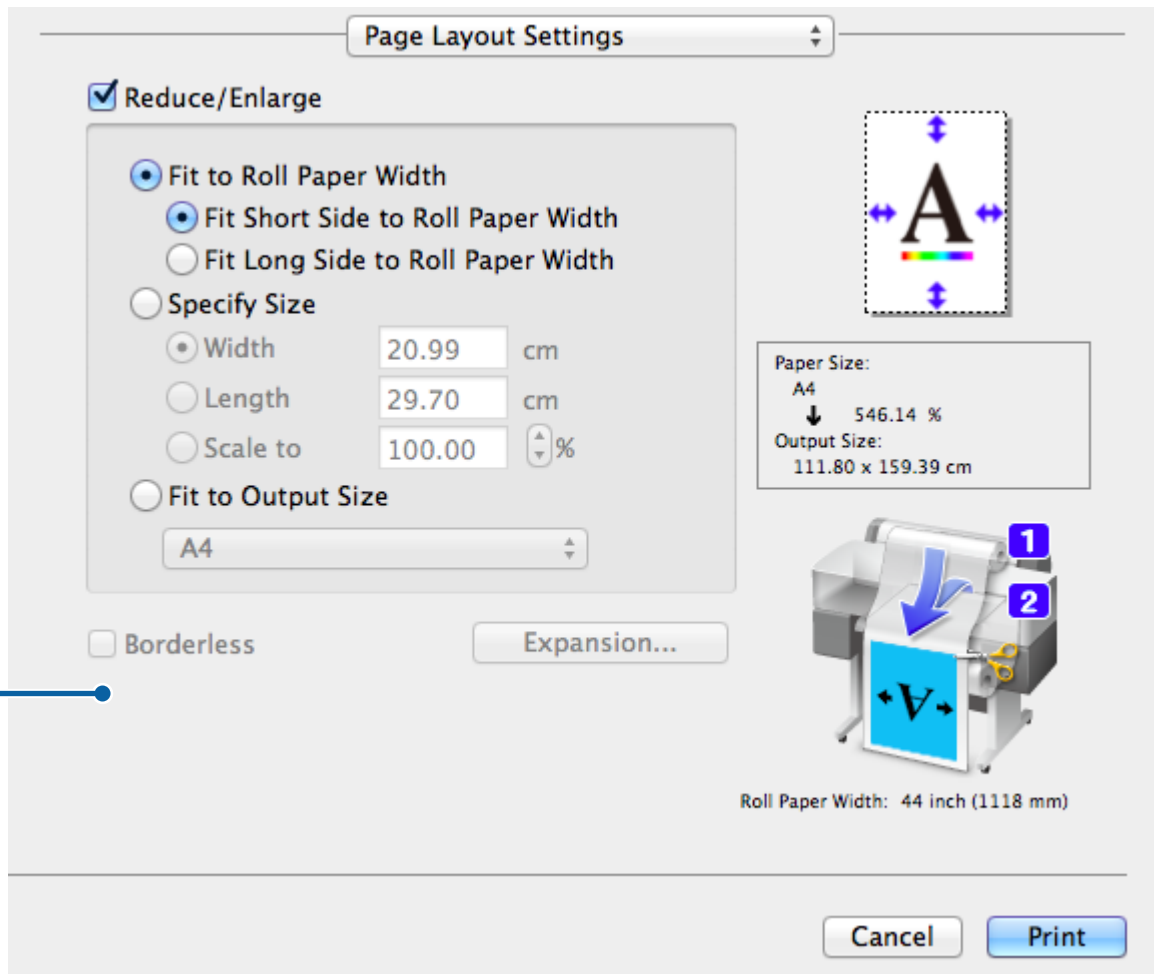
Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Mirror Image	Not listed, but available in the **Layout** dialog.

PS Driver Options

The Hard Disk Unit Settings Dialog

This section describes the differences in the **Hard Disk Unit Settings** dialog, which is displayed by clicking the **Settings** button in the **Advanced** dialog.

Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Print after Transmission Completed	Caching to HDD

Features Unique to the PS Printer Driver

Item	Option	Description
❶	Caching to HDD	This item should not be selected in normal circumstances. Select this option only if the print head stops frequently during printing while the unit is processing data. This option is off by default.

The Driver Options Dialog

This section describes the differences in the driver options dialog, which is displayed by selecting **System Preferences** in the Apple menu, clicking **Print & Scan**, and then clicking the **Options & Supplies…** button.
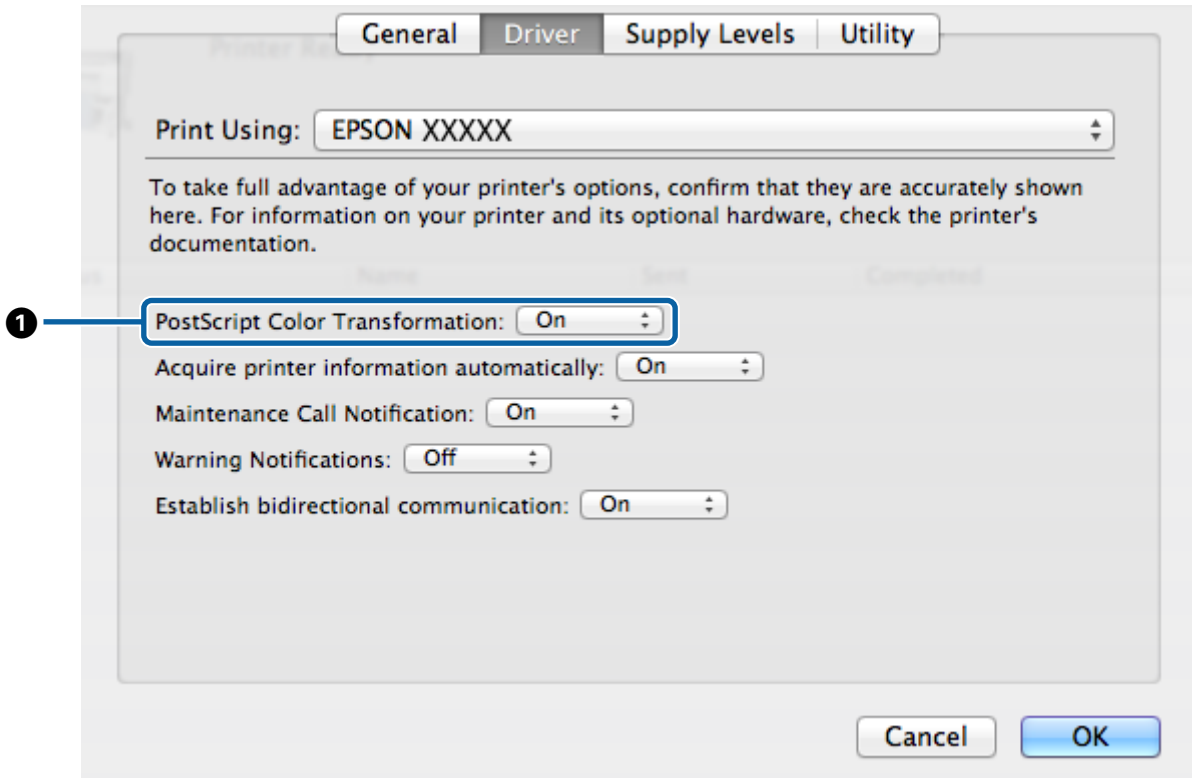
Differences Between the Two Driver Dialogs

Item	Standard driver supplied with printer	PS driver supplied with this product
❶	Not available	PostScript Color Transformation This option is on by default.

Features Unique to the PS Printer Driver

Item	Option	Description
❶	PostScript Color Transformation	Select On to process colors using the target CMYK or RGB profile for PostScript color conversion. If Off is selected, the unit will process colors in the same way as the standard driver supplied with the printer, and different options will be listed in the **Color Controls** dialog, which is displayed by clicking the **Settings** button in the **Printer Settings** dialog.

Using the Supplied Software

EPSON LFP Remote Panel 2

This chapter describes features in the version of EPSON LFP Remote Panel 2 supplied on the software disc bundled with this product that are available only when this product is connected. See online help for information on other features.

Storing and Using Custom Paper Sizes

When this product is connected to the printer, you can store custom paper sizes that include printer profiles from EPSON LFP Remote Panel 2. This section describes how to store and use custom paper sizes.

Launching EPSON LFP Remote Panel 2

Windows

1 Open the **Utility** tab in the **Print Setup** dialog for your PS driver.

2 Click **EPSON LFP Remote Panel 2**.
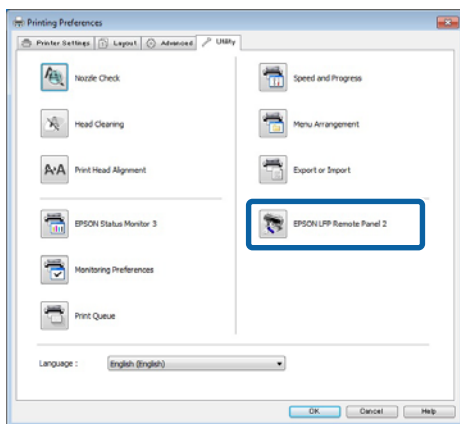
Mac OS X Versions 10.6.x or later

1 Select **System Preferences** in the Apple menu and click **Print & Scan** (or **Print & Fax**).

2 Select your printer and click **Options & Supplies** > **Utility** > **Open Printer Utility**.

Mac OS X Version 10.5.8

1 Select **System Preferences** in the Apple menu and click **Print & Fax**.

2 Select your printer and click **Open Print Queue** > **Utility**.

Saving Custom Paper Sizes

Although the description in this section is illustrated with Windows dialogs, the procedure for Mac OS X is similar.

1 Click **Custom Paper Setup**.
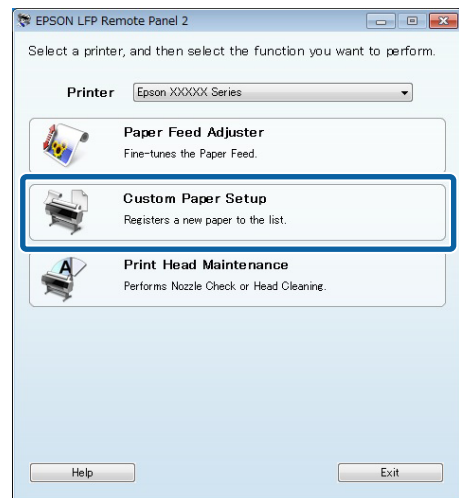
2 Select **#X Unregistered** for **Custom Name**.

3 For **Reference Media Type**, select the media type used when the printer profile was created.
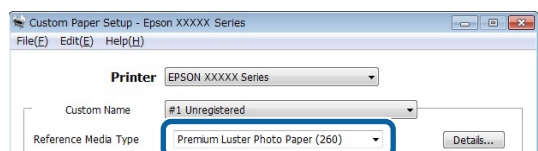
4 Adjust settings as required.

5 Click the **More Settings 1** tab, select a profile, and click **Save**.
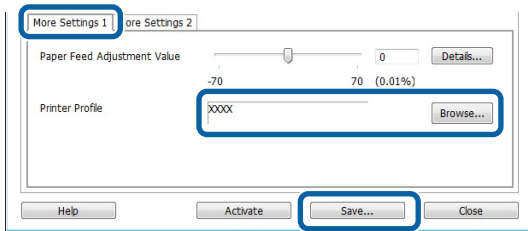
6 Enter a paper name in the **Save** dialog and click **OK**.
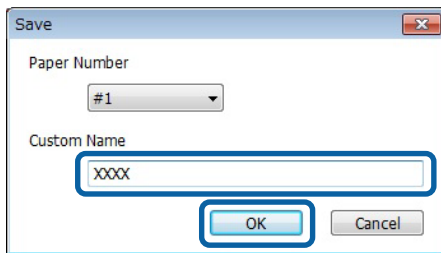
7 Confirm that the new custom paper name is displayed in the **Custom Paper Setup** dialog and click **Activate**.

After clicking **Activate**, exit the software.
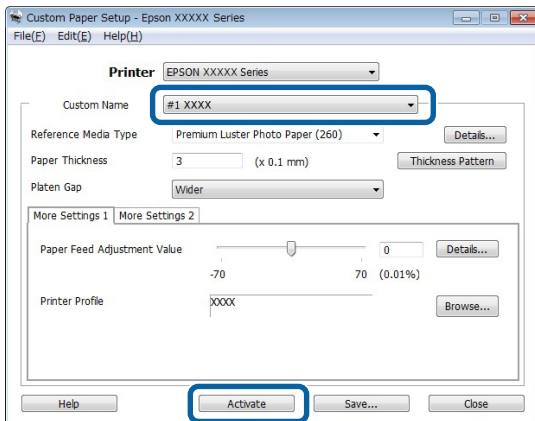
Note:
Custom paper settings can also be activated from the printer control panel. For details, see the manual supplied with the printer.

8 Check custom paper settings.

Use the **PS Status Sheet** and **Print Paper List** options in the printer control panel to confirm that the new settings have been saved. For information on printing the status sheet and paper list, see the manual supplied with the printer.

Note:
Note that because custom paper settings may be changed if multiple users have access to the product, it is a good idea to provide a detailed description of each option (and file copies of the status sheet and paper list) when creating custom paper settings.

Print Settings

Configure the PS printer driver as follows when printing using custom paper settings:

❏ Confirm that the **PostScript Color Transformation** option is checked or that **On** is selected for **PostScript Color Transformation**.

U "The Speed and Progress Dialog" on page 20

U "The Driver Options Dialog" on page 29

❏ Confirm that the Media Type matches the **Reference Media Type** selected when the custom paper settings were created.

Note:
*If the printer supports multiple rolls, confirm that the desired roll is selected for **Source**.*

Deleting Custom Paper Settings

Custom paper settings can be deleted using the **Reset PS Settings** option in the printer control panel. Settings can not be deleted individually.

Using the Supplied Software

PS Folder

This section describes how to use the PS Folder application included on the software disc supplied with this product.

PS Folder lets you print files in supported formats by dragging and dropping them onto the PS Folder icon, eliminating the need to open files in another application. See the following sections for installation instructions.

Windows ☞ "Installing PS Folder" on page 8

Mac OS X ☞ "Installing PS Folder" on page 9

Supported File Types

File type	Description
PS	PostScript files (ASCII only)
EPS	Encapsulated PostScript files (ASCII only; binary not supported)
	If you are unable to print EPS files, select **Add showpage** in the file options and try again.
PDF	PDF version: PDF 1.7 Extension Level 3
	(Adobe Acrobat 10.0 equivalent files with password protection are also supported)
	PDF files in versions later than 1.7 Extension Level 3 will print without errors so long as they do not use Extension Level functions.
TIFF	Tagged Image File Format files
	Baseline TIFF is supported.
	One pixel is treated as equivalent to one point.
	The following types of compression are supported: CCITT1D, Group 3 Fax, Group 4 Fax, LZW, JPEG, and PackBits (Run Length Encoding).
	ZIP compression, TIFF (TTN2), and 1-bit, YCbCr, multi-page, and alpha-channel TIFFs are not supported.

File type	Description
JPEG	Joint Photographic Experts Group files
	Baseline JPEG is supported.
	One pixel is treated as equivalent to one point.
	Progressive compression and JPEG 2000 are not supported.
CALS-G4 (Type 1)	Rasterized image files in CALS Type 1 format

Using PS Folder

An icon for this application is created on the desktop at installation. Files can be printed simply by dropping them onto the icon.
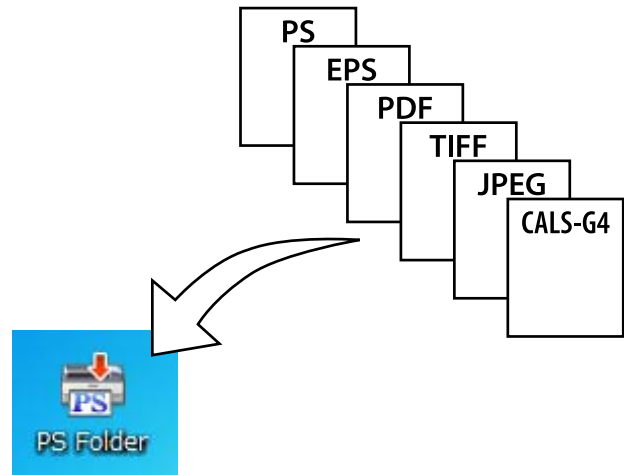
Creating Additional Icons

You can create additional PS Folder icons for other printers or printer settings. This section describes how to add PS Folder icons.

Windows

1 Right click on an empty area of the desktop to display a context menu.

2 Select **EPSON PS Folder** from the New submenu.

Enter a name for the new PS Folder.

Mac OS X

1 Double-click the EPSON_PS_Folder.zip icon on the desktop.

2 Move the newly-extracted copy of PS Folder to the desired location.

Printing Password-Protected PDF Files

Printing password-protected PDF files is simple. When you drop a password-protected PDF file onto the application icon on the desktop, you will be prompted to enter a password.* Enter the password and click **OK** to print the file.

*   Depending on PDF settings, you may not be prompted to enter a password. If a password-entry dialog is not displayed, enter the password using the printer control panel. For information on using the control panel, see the manual supplied with the printer.
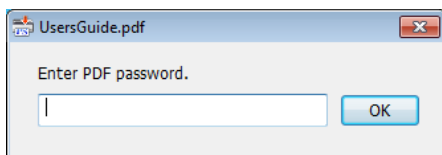
Advanced Settings

To display the main application dialog, double-click the icon on the desktop. Click **Settings** or **OK** to open the application properties dialog and view or adjust printer settings and file options.

Choosing a Printer

If a printer list is not displayed even though a PS driver supported by the application is installed on the computer, check that the PS driver is correctly installed. Choose a printer from the list. Under Mac OS X, the printer list will not be displayed again after you have selected a printer.
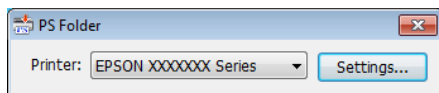
Printer Settings

Select the **Printer Settings** tab in the dialog displayed when you click the **Settings** button in the printer selection dialog (Windows) or double-click the application icon (Mac OS X).

Adjust basic print settings for the application as a whole or make changes to print settings for individual files.
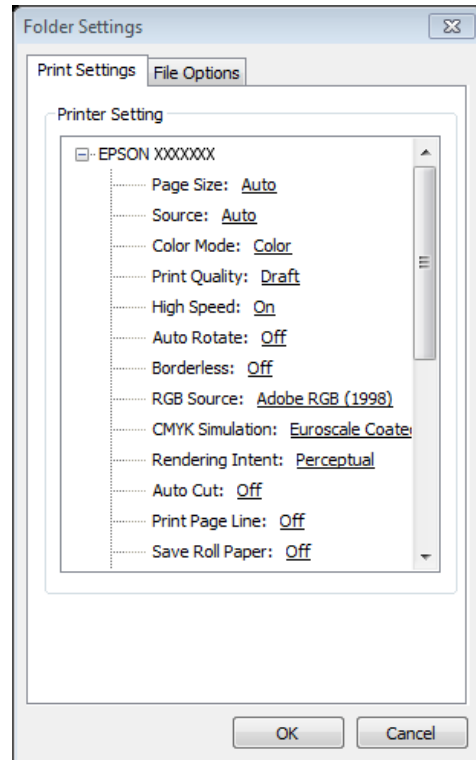
Using the Supplied Software

File Option

Select the **File Option** tab in the dialog displayed when you click the **Settings** button in the printer selection dialog (Windows) or double-click the application icon (Mac OS X). Adjust settings for each file type.

PDF

Option	Description
Auto rotate and Center Page	The print job is automatically rotated and printed in the center of pages of the selected size. Use the **Page Size** option in the **Printer Settings** tab to choose the page size. This option has no effect when **Auto** is selected for **Page Size**.
Fit to page	Fit output to the selected page size. Use the **Page Size** option in the **Printer Settings** tab to choose the page size. This option has no effect when **Auto** is selected for **Page Size**.
Reverse page	Reverse the order of pages when printing multi-page documents.
Use Overprint Preview	Show overprinted colors when printing.

EPS

Option	Description
Add showpage	Select this option if you are unable to print EPS files. This option adds a "showpage" command to EPS files. Some EPS files may require a "showpage" command; select this option if you are unable to print EPS files. If the file already contains a "showpage" command, selecting this option will result in a blank page being printed.

TIFF/JPEG

Option	Description
Auto rotate and Center Page	The print job is automatically rotated and printed in the center of pages of the selected size. Use the **Page Size** option in the **Printer Settings** tab to choose the page size. This option has no effect when **Auto** is selected for **Page Size**.
Fit to page	Fit output to the selected page size. Use the **Page Size** option in the **Printer Settings** tab to choose the page size. This option has no effect when **Auto** is selected for **Page Size**.
Mirror	Print a mirror image.

Troubleshooting

This chapter lists PostScript error messages and details the steps to take when the printer fails to print. For information on troubleshooting non-PostScript-related issues, see the manual supplied with the printer.

Control Panel Messages

If the message shown below is displayed, refer to the solution listed and take the necessary steps.

Message	What to do
Firmware Error Firmware mismatch between PS3 Expansion Unit and printer. Refer to manual for details.	The firmware version for this product does not match the printer firmware version. Update the firmware for the product and printer to the latest versions. The latest versions can be downloaded from the Epson website.

Unable to Print

This section describes how to deal with PostScript-related issues. For information on troubleshooting other problems, see the manual supplied with the printer.

Errors Occur

> ◼ **Does your operating system meet PS driver system requirements?**
> PS driver system requirements are listed on the following page.
>
> ☞ "System Requirements" on page 38

Printer Inoperable

> ◼ **Are you using the correct printer driver?**
> ● **Windows**
> Confirm that the PS driver is selected as the default printer.
>
> (1) Click **Start** and select **Devices and Printers**.
>
> In Windows 8.1/Windows 8, right click on the bottom left corner of the display and select **Control Panel** from the menu that appears. In Windows XP, click **Start** and select **Settings** > **Printers and Faxes**,
>
> (2) Right click the icon for your PS driver.
>
> (3) Confirm that the **Set as Default Printer** box is checked. If it is not, check it.
>
> ● **Mac OS X**
> Confirm that your printer is listed in the Printer Setup Utility.
>
> ☞ "Installation and Setup" on page 9

Encrypted PDFs Not Printing

> ◼ **Does your account have printing privileges?**
> Check your account privileges.

PS Files Not Printing

> ◼ **Does the printer recognize this product?**
> Use the **Option Setup** command in the printer control panel to check whether the printer recognizes this product.

Print Quality Issues

Printed Font/Characters Do Not Match Display

> ◼ **Are the fonts embedded in the PDF file?**
> If they are not, the fonts will be replaced as appropriate for printing.

Letters or Images Are Ragged

> ◼ **Is Speed selected for Printer Settings > Resolution?**
> Select **Quality** or **High Quality** for **Resolution** in the **Advanced Settings** for **Print Quality** or **Mode**.

Light-Colored Lines Are Broken

> ◼ Use **Dot Correction**.

Colors Do Not Match

> ◼ **Are you comparing the output to that produced by the standard driver supplied with the printer?**
> Try disabling the PostScript Color Transformation option in the PS driver supplied with this product.

> ◼ **Does the media match the Reference Media Type selected for custom paper settings that include printer profiles?**
> Colors will not match if you do not use media selected for **Reference Media Type**. Check the **Reference Media Type**.

> ◼ **Have custom paper settings that include a printer profile been changed?**
> If this product available to multiple users, custom settings may have been changed by another user. Check that current settings match those listed in the status sheet printed when the custom settings were created.

■ **Is the printer set to the Paper Number used in the creation of custom paper settings that include a printer profile?**
If this product available to multiple users, the setting may have been changed by another user. Use the printer driver **Acquire Info** option to check the **Paper Number**.

Printing Results Are Uneven

■ **Is the print head pausing frequently?**
The print head may be pausing while the printer waits for data during printing. Try selecting **On** for **Caching To HDD** in the printer control panel menus.

Other Issues

PS Driver Limitations

Windows may not correctly spool the data for large print jobs. If this occurs, select **Print Directly to Printer** for **Advanced Options** in the printer properties dialog.

Restrictions on Installing Printer Fonts

❏ Do not print or perform other operations while installing printer fonts.

❏ When installing printer fonts, select **PostScript** for Administrator Menu > **Printer Mode** in the control panel. We recommend that you select **Auto** once installation is complete.

Appendix

System Requirements

The system requirements for installing and using the software for this product are listed below.

Windows

OS	Windows XP/Windows XP x64
	Windows Vista/Windows Vista x64
	Windows 7/Windows 7 x64
	Windows 8/Windows 8 x64
	Windows 8.1/Windows 8.1 x64
	Windows Server 2003[*]/Windows Server 2003 x64[*]/Windows Server 2008[*]/Windows Server 2008 x64[*]/Windows Server 2008R2 x64[*]/Windows Server 2012[*]
CPU	Core 2 Duo 3.05 GHz or better
Available memory	1 GB or more
Available hard disk space	32 GB or more
Display resolution	WXGA (1280 × 768) or higher

* EPSON PS Folder and EPSON LFP Remote Panel 2 are not supported.

Note:
Log in to an "Administrator" account (an account with administrator privileges) when installing the software.

Mac OS X

OS	Mac OS X version 10.5.8 or later
CPU	Core 2 Duo 3.06 GHz or better
Memory	4 GB or more
Available hard disk space	32 GB or more
Display resolution	WXGA (1280 × 768) or higher

Samples of Built-in Fonts

PostScript Fonts

Albertus
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Albertus Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Albertus Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Antipue Olive Roman
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Antipue Olive Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Antipue Olive Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Antipue Olive Compact
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Appendix

ITC Avant Garde Gothic Book
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Avant Garde Gothic Book Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Avant Garde Gothic Demi
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Avant Garde Gothic Demi Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni Poster
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Bodoni Poster Compressed
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Bookman Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Bookman Light Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Bookman Demi
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Bookman Demi Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Carta

Clarendon
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Clarendon Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Clarendon Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Cooper Black
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Cooper Black Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Copperplate Gothic 32BC
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ   0123456789

Copperplate Gothic 33BC
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ   0123456789

Coronet
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Courier
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Courier Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Courier Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Courier Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Eurostile
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Eurostile Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Eurostile Bold Extended No.2
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Eurostile Extended No.2
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

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GillSans
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Condensed Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Light Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

GillSans Extra Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Goudy Oldstyle
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Goudy Oldstyle Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Goudy Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Goudy Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Goudy Extra Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Condensed Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Condensed Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Condensed Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Narrow
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Narrow Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Narrow Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Helvetica Narrow Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Joanna
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Joanna Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Joanna Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Joanna Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Letter Gothic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Letter Gothic Slanted
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

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Letter Gothic Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Letter Gothic Bold Slanted
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

ITC Lubalin Graph Book
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

ITC Lubalin Graph Book Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

ITC Lubalin Graph Demi
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

ITC Lubalin Graph Demi Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Marigold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

ITC MonaLisa Recut
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

NewCentury Schoolbook Roman
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

NewCentury Schoolbook Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

NewCentury Schoolbook Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

NewCentury Schoolbook Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Optima
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Optima Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Optima Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Optima Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Oxford
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Palatino Roman
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Palatino Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Palatino Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Palatino Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Stempel Garamond Roman
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Stempel Garamond Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Stempel Garamond Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Stempel Garamond Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Symbol
ΑΒΧΔΕΦΓΗΙϑΚΛΜΝΟΠΘΡΣΤΥςΩΞΨΖ
αβχδεφγηιφκλμνοπθρστυϖωξψζ 0123456789

Tekton
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Times Roman
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Times Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Times Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Times Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Univers55
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz 0123456789

Appendix

Univers55 Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers 65 Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers65 Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers45 Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers45 Light Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers57 Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers 57 Condensed Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers67 Condensed Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers67 Condensed Bold Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers53 Extended
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers53 Extended Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers63 Bold Extended
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Univers63 Bold Extended Oblique
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Zapf Chancery Medium Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

ITC Zapf Dingbats
✢✛✠✚✦✧✩☆✪❂✯✦✮★★★✫✬✭✯★★★★★★◼
❀✿❄✺✲✹✸✷✶✴●◖☐☐☐▲▼◆❖▶◫   ✐✎➥✓✔✕✗✘✚✜

TrueType Fonts

Apple Chancery
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Arial
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Arial Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Arial Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Arial Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Chicago
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Geneva
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Hoefler Text
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Hoefler Text Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Hoefler Text Black
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Hoefler Text Black Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Hoefler Ornaments

Monaco
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

New York
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz   0123456789

Appendix

Times New Roman

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz   0123456789

Times New Roman Italic

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz   0123456789

Times New Roman Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz   0123456789

Times New Roman Bold Italic

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz   0123456789

Wingdings

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