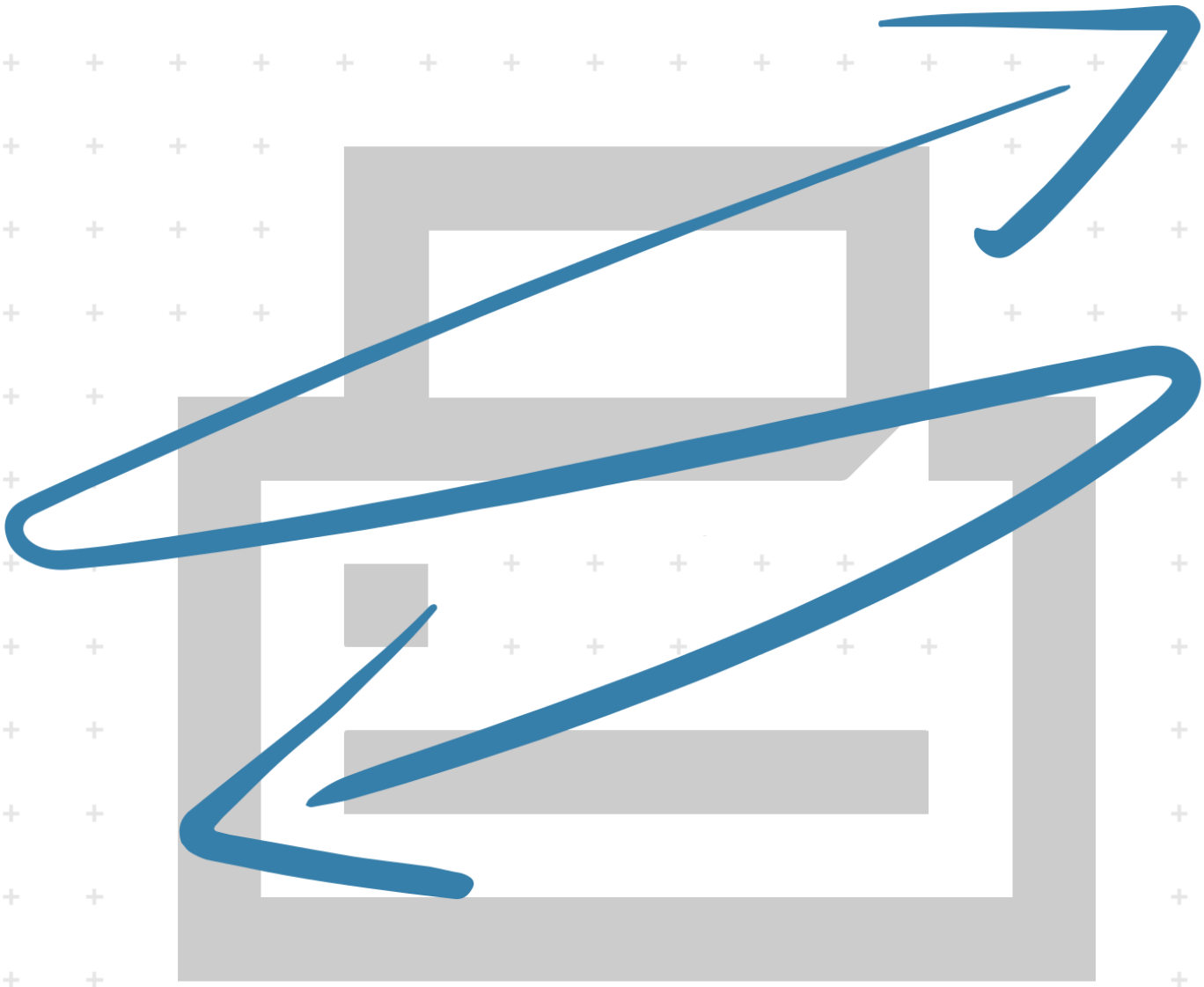
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Mac Driver Setup Guide



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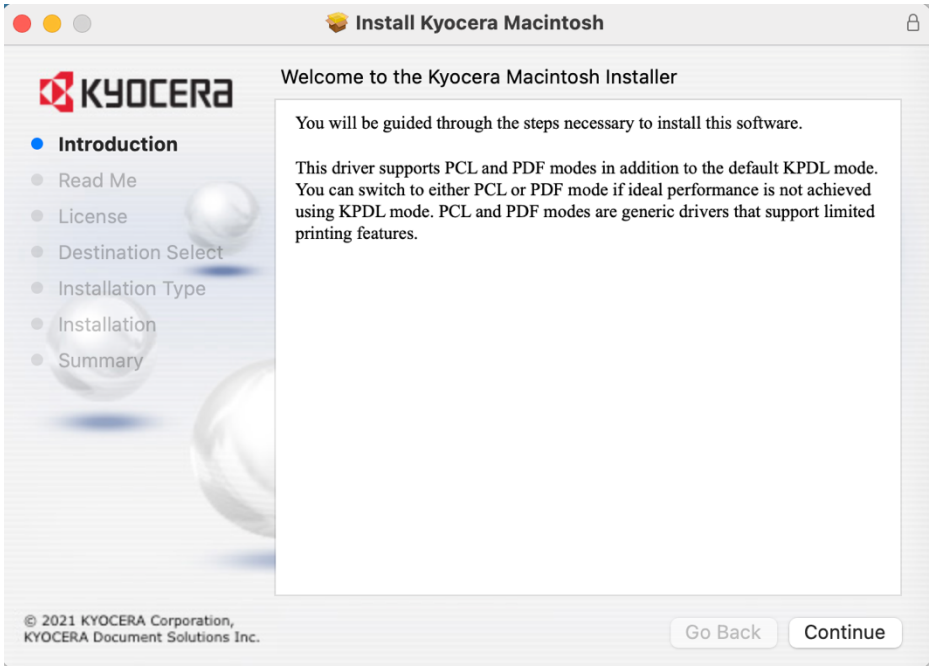
1 Installation

Mac Driver 5.2 supports Mac OS X 10.9 and later. Its PCL Mode and PDF Mode can be installed by running the provided package installer. A user account with administrative rights is required to perform the installation. The recommended steps are described below.

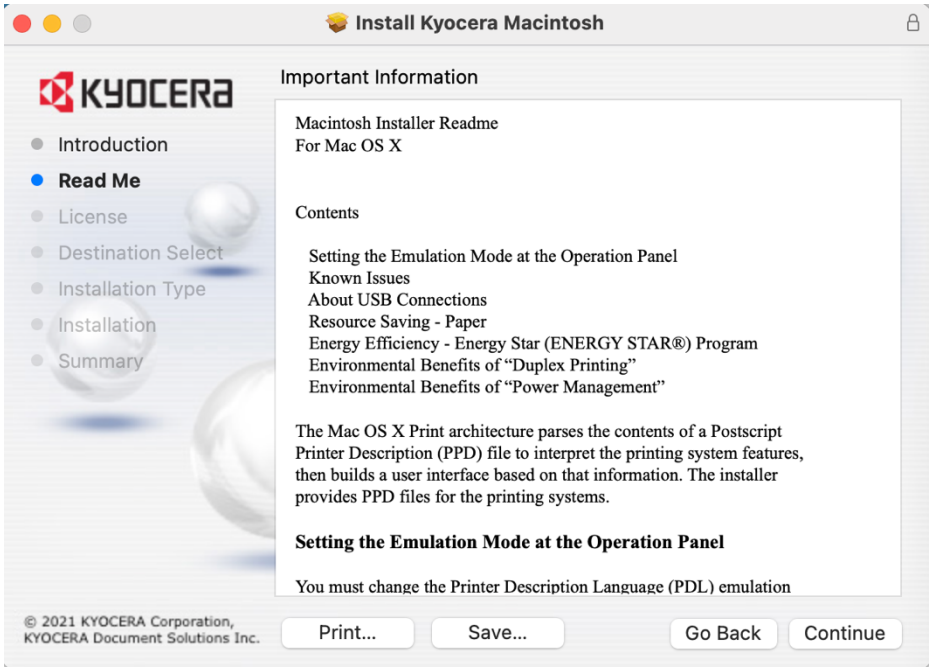
Package Installer Setup

You can install the driver using the provided package installer.

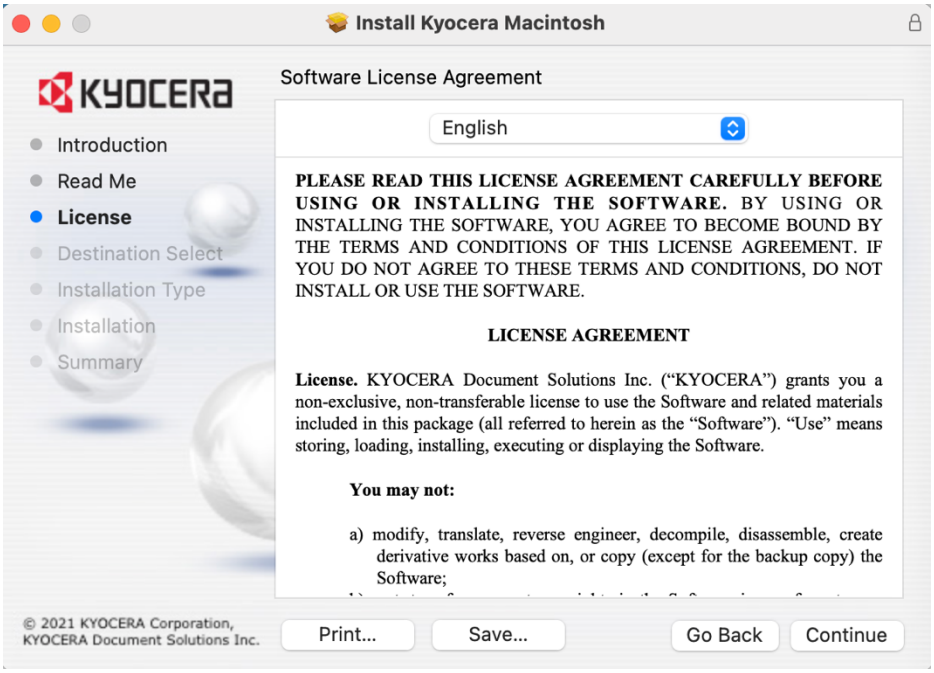
1. Double-click the **.DMG** file to run the installer.
2. In the installer dialog, click **Continue** to proceed to the readme page.



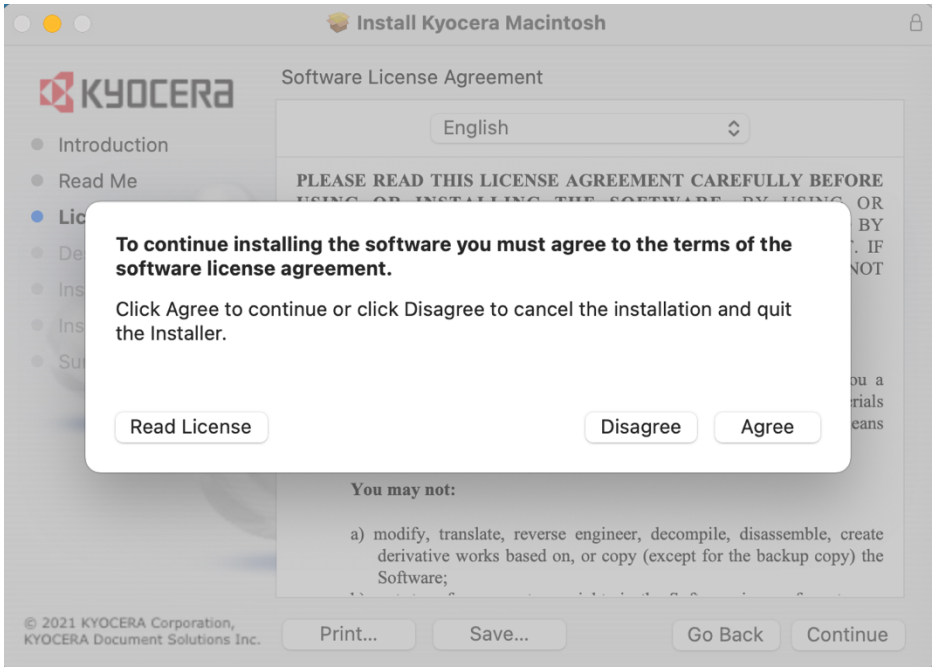
3. Click **Continue** to proceed to the license agreement page.



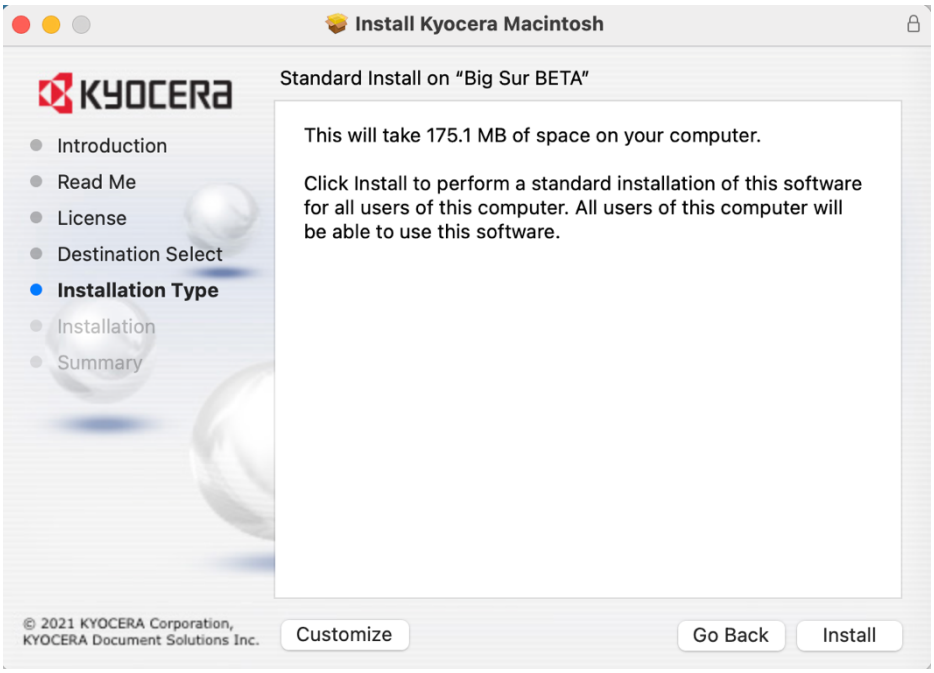
4 Review the Software License Agreement, and then click **Continue**.



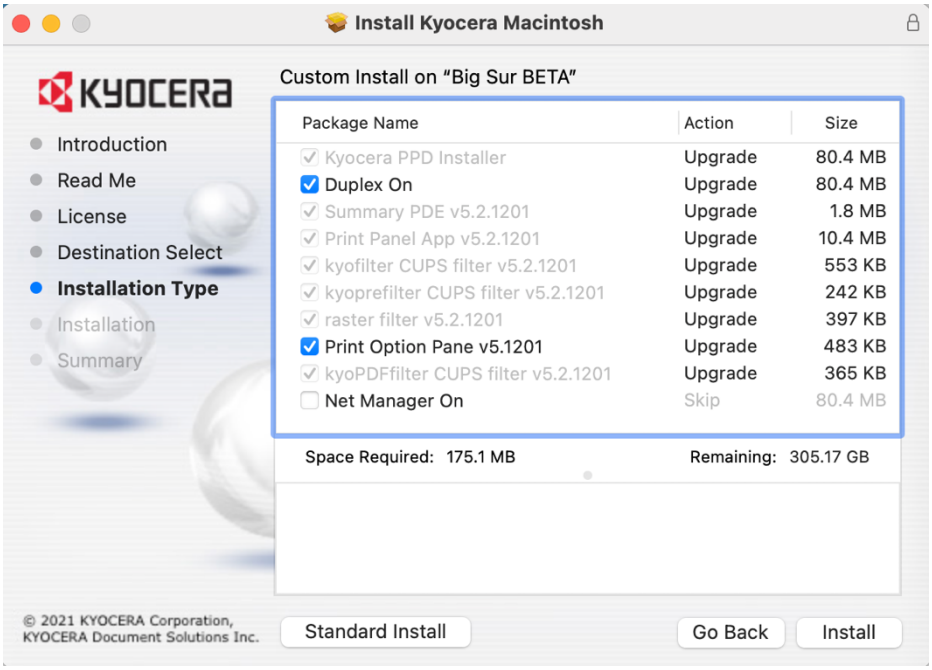
5 Click **Agree** to accept the terms of the license agreement.



6 Click **Install** and enter the admin password to complete the standard installation. Alternatively, you can select **Customize** to perform a custom installation. For custom installation, select the Print Option Pane checkbox to install the Print Option Pane.

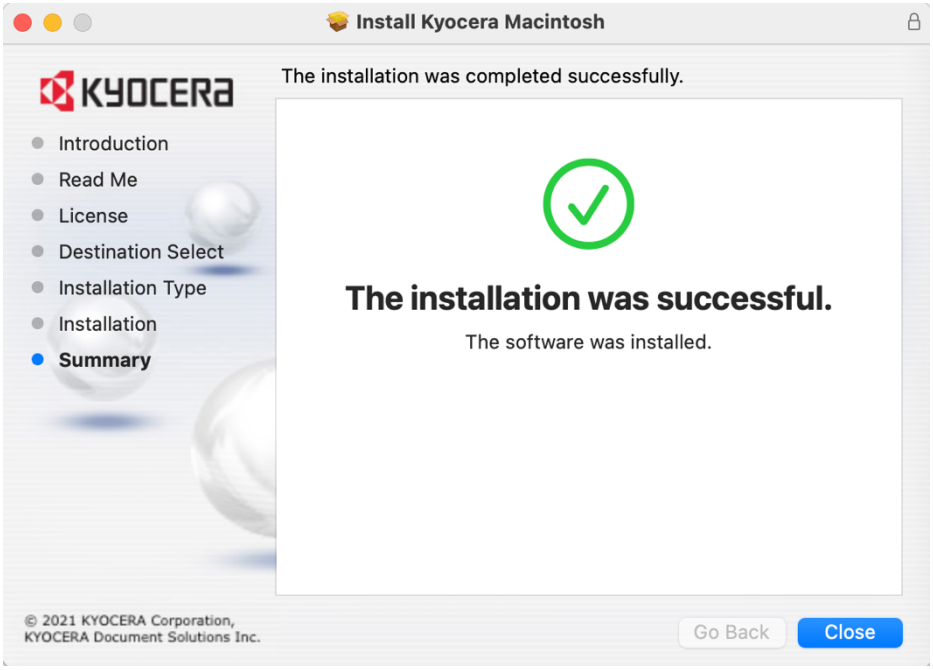


Standard Installation Page



Custom Installation Page

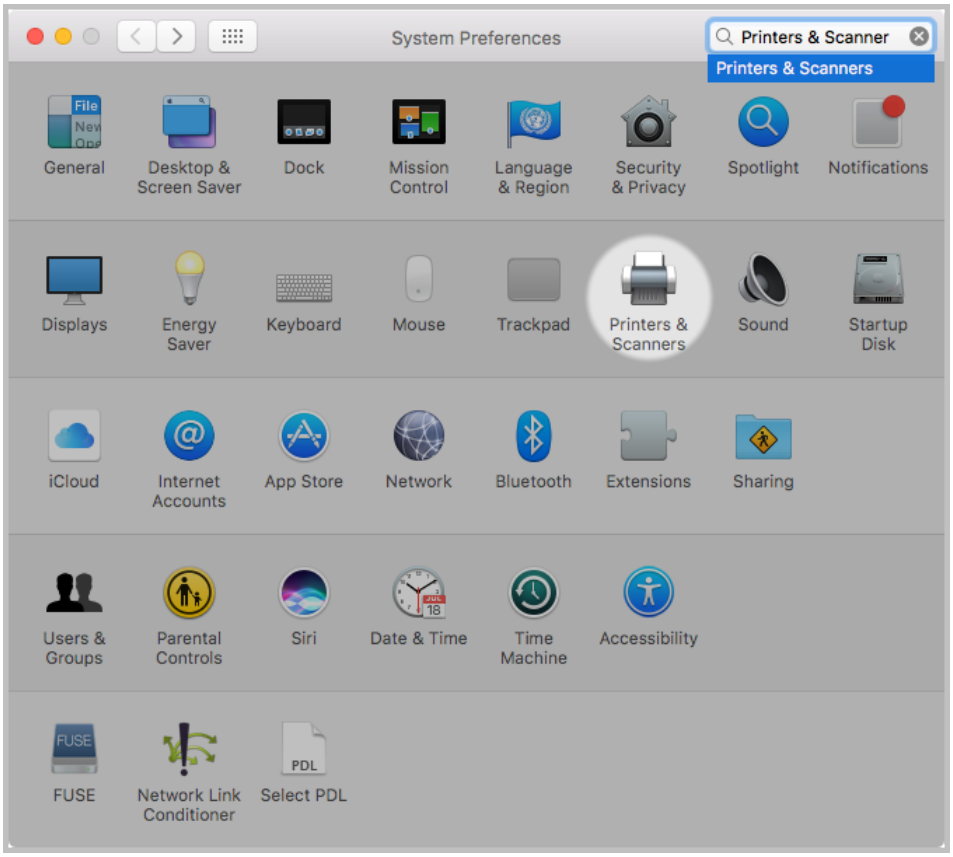
7 Click **Close** to exit when the installation is complete.



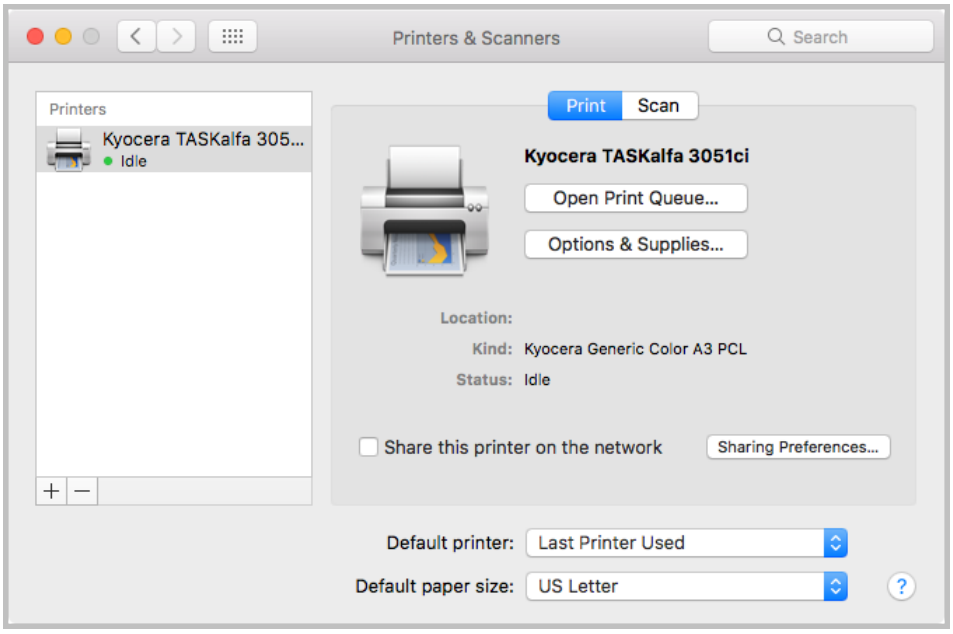
Adding Printers

After you install the driver, you can add the printers to be used on the system.

1 Open System Preferences and click **Printers & Scanner**s (this may also be called Print & Scan or Print & FAX, depending on the Mac OS X version you are using).



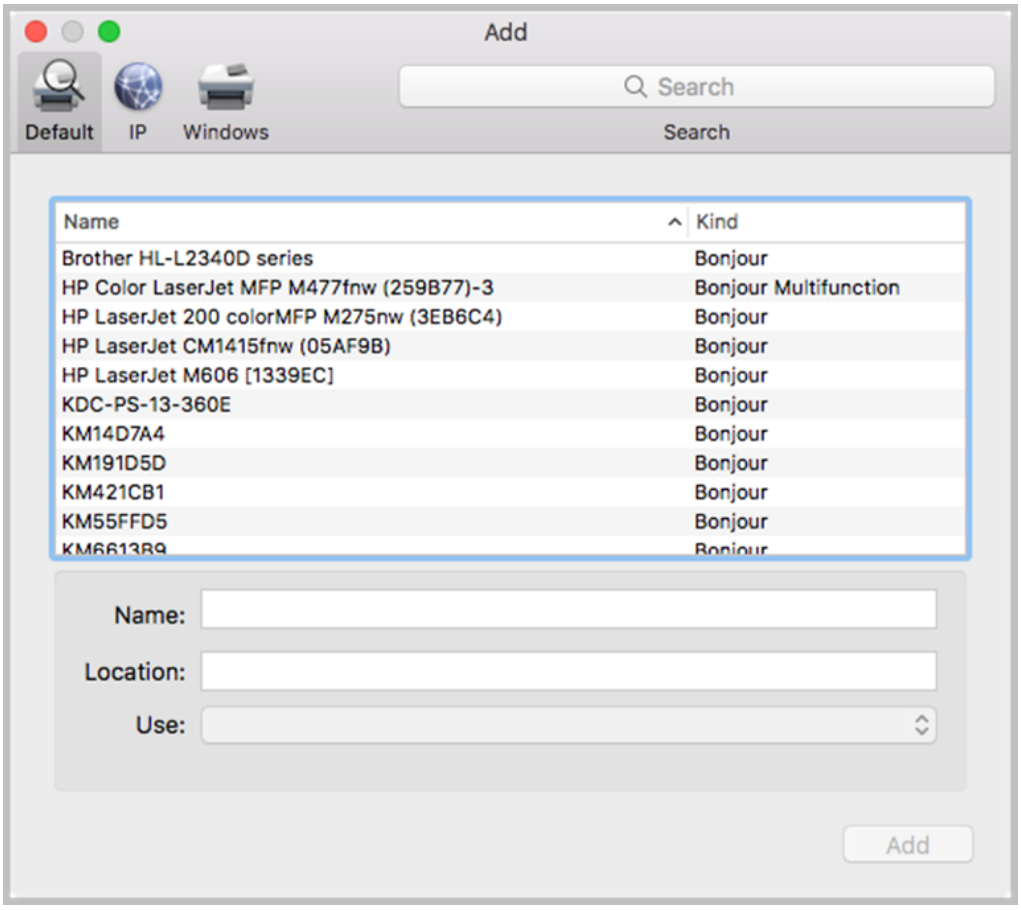
2 In the Print & Fax dialog, you can click the "**+**" icon at the bottom of the Printers list to open the Add Printer dialog (this may also be called Add. depending on the Mac OS X version you are using).



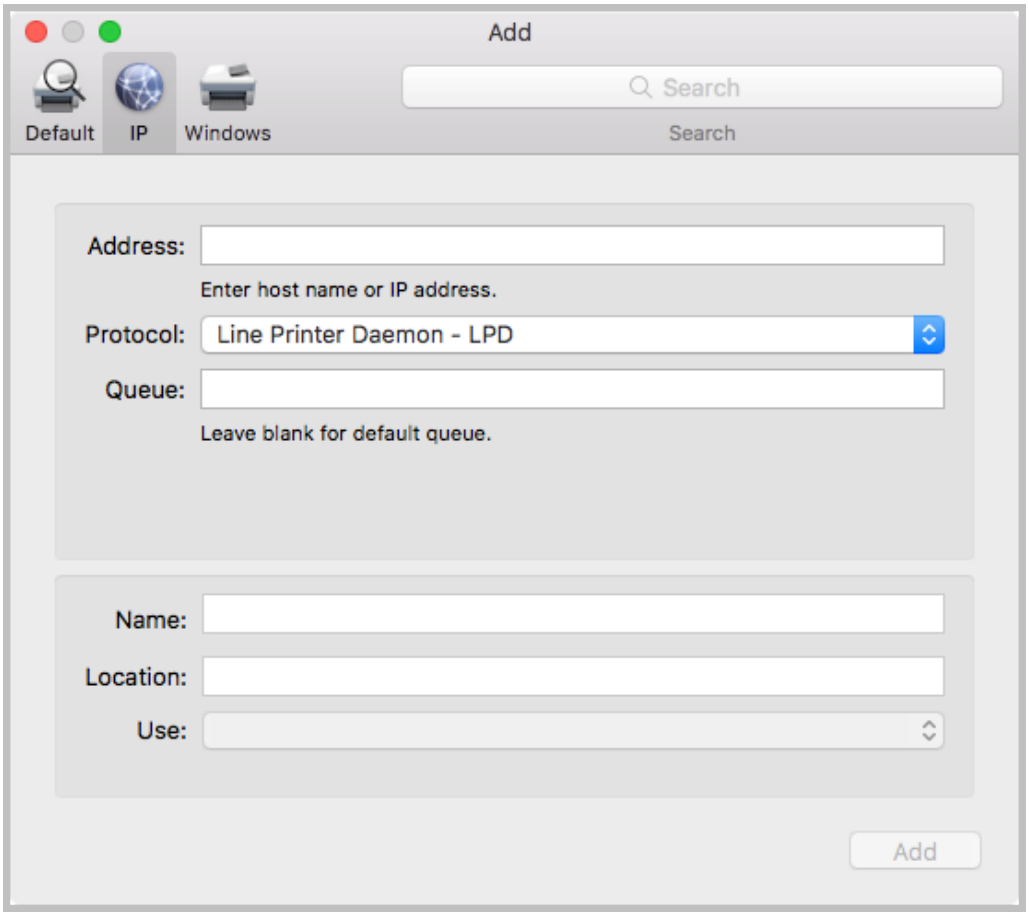
To add a printer, you must first choose a connection type—**Bonjour**, **IP Printer**, or **Windows**. If you choose the **Default** connection type, Printer Setup Utility displays a list of all available printers with Bonjour support.

When you select a printer to add to the Printers list, Printer Setup Utility retrieves the selected printer's address, icon, and model information. Printer Setup Utility then uses this information to create a new printer queue, and then adds the printer to the list when you click **Add**.

On Mac OS 10.10 and later, **Secure AirPrint** may be selected by default.



For better printing support, it is recommended to use Line Printer Daemon (LPD) for the protocol. To add an LPR printer that uses IP, enter the printer's DNS host name or IP address and then select the appropriate model from the Print Using menu. The matching PPD for the printer is automatically selected by the OS.

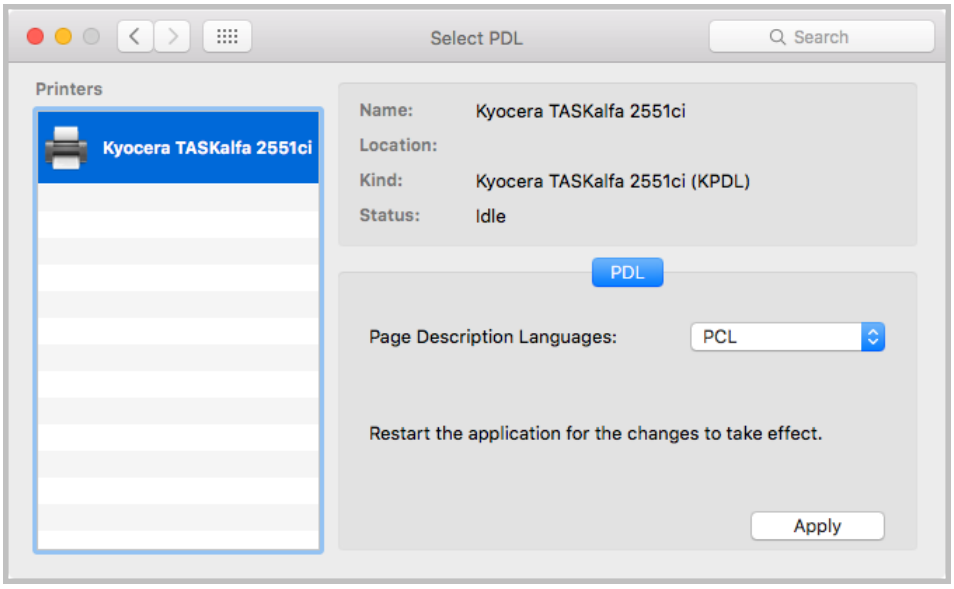


Installable options must be set manually after you switch to PCL mode or PDF mode.

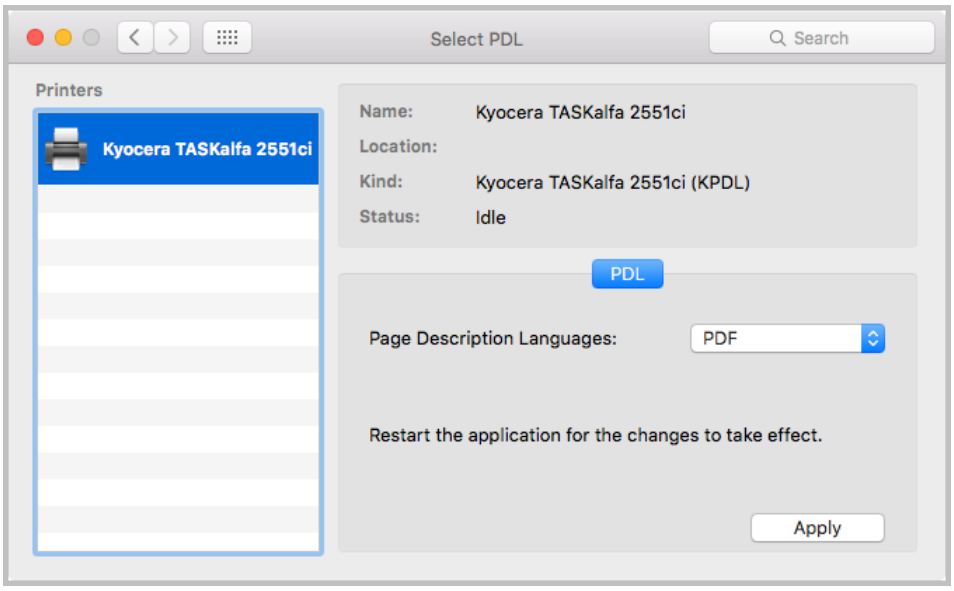
Switching to PCL Mode or PDF Mode

After you install the driver and add at least one printer, you can switch the driver to either PCL mode or PDF mode.

1. Open **System Preferences** > **Select PDL**.
2. Select a printer from the Printers list.
3. Select **PCL** or **PDF** from the Page Description Languages dtop-down menu.
4. Click **Apply**.



Switch to PCL



Switch to PDF

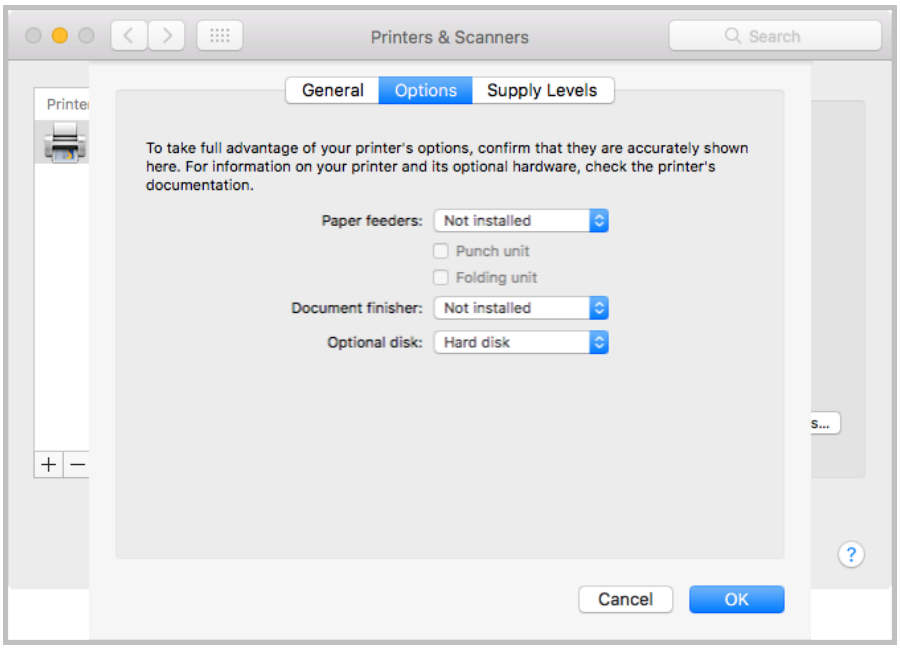
Configuring Installable Options

After you switch the driver to PCL mode or PDF mode, you can set up the installable options for the printer.

1. Click **Print & Fax** from System Preferences.
2. Select a printer from the Printers list.

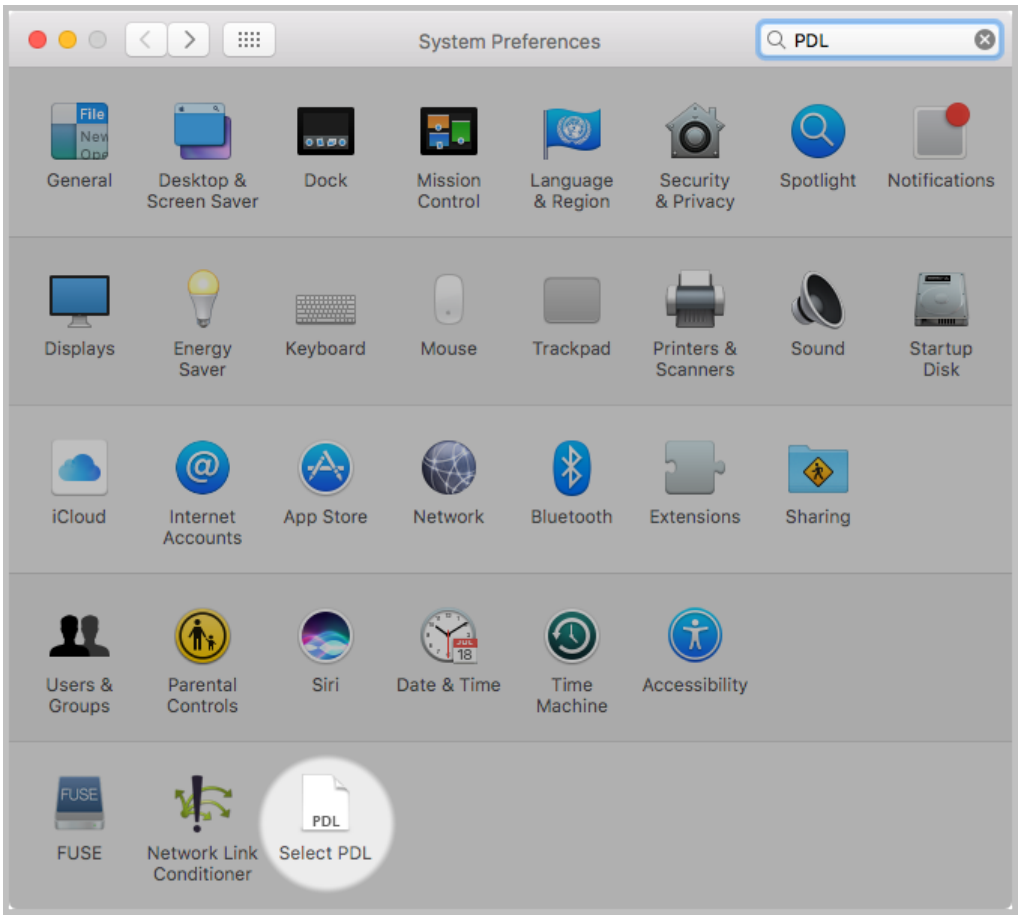
3 Click **Options & Supplies**.

4 Click the **Driver** tab to modify the installable options.



2 PDL Switch Tool

Once the driver package is installed, the PDL switch tool appears in the System Preferences dialog under **Other** > **Select PDL**. The PDL switch tool only works with Mac Driver 4.0 and later, and the models supported by the driver.



PDL Switch Preference Pane

The PDL Switch preference pane is made up of 3 main components: Discovery, Device Status, and PDL Control.

Discovery

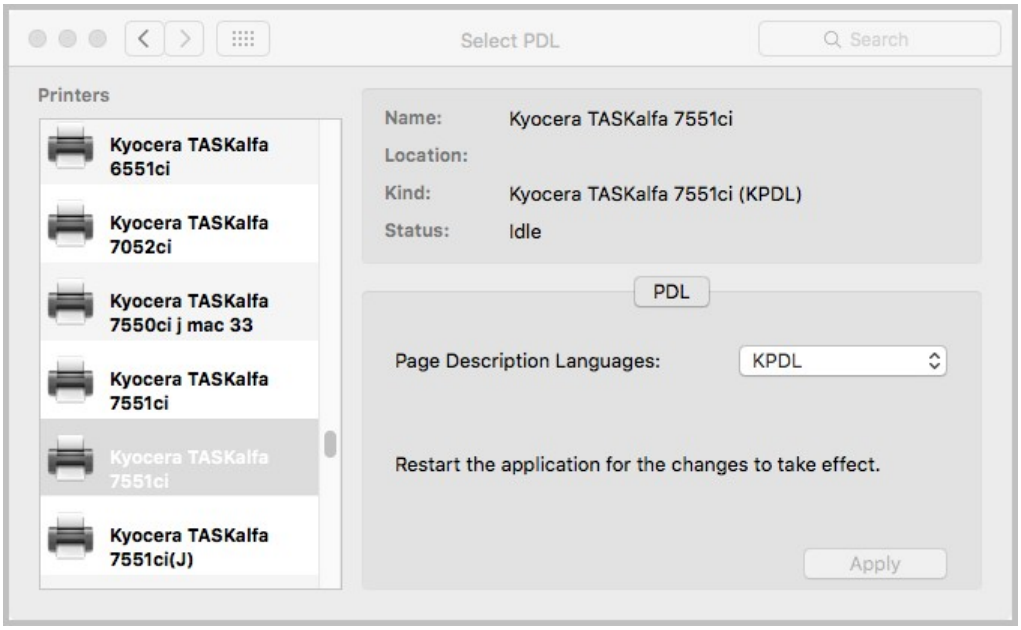
The Printers list displays the printers discovered by the driver. The current printer is selected.

Device Status

The upper section shows the properties of the selected printer, including its current status.

PDL Control

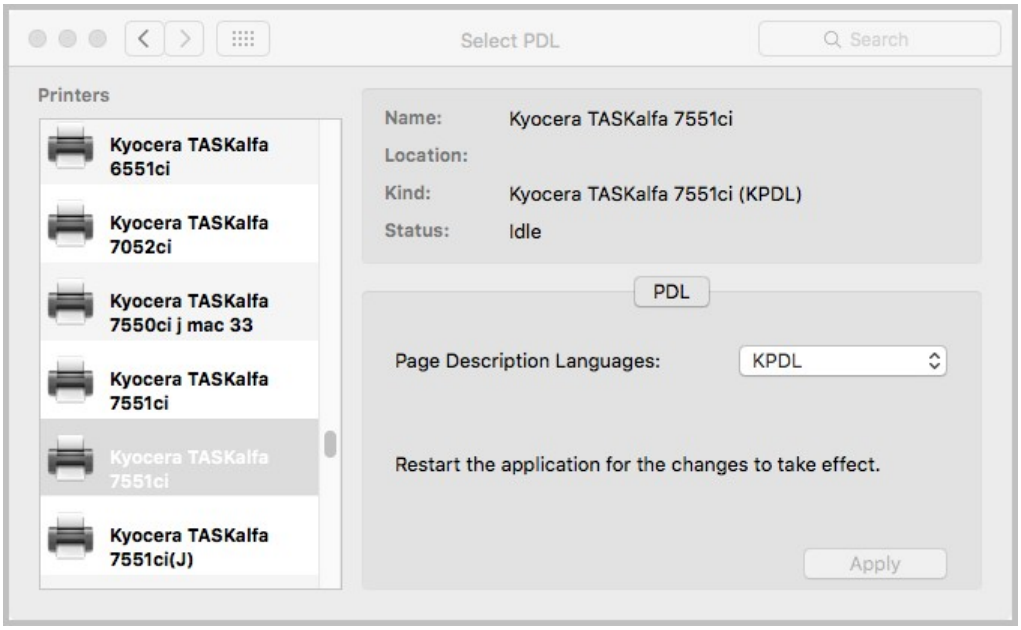
The lower section allows you to modify the PDL. After switching the PDL, all open applications need to be restarted for the changes to take effect



Switching between KPDL, PDF, and PCL Modes

The following steps describe how to switch between KPDL, PDF, and PCL modes.

1. Open **System Preferences** > **Select PDL**.
2. Select a printer from the Printers list.
3. Select **KPDL**, **PDF**, or **PCL** from the Page Description Languages drop-down menu.
4. Click **Apply**.



Uninstalling the PDL Switch Tool

The PDL switch tool can be uninstalled from System Preferences.

1. Open **System Preferences**.

2. Right-click the **Select PDL** icon and then click **Remove "Select PDL" Preference Pane**.

3 PCL Mode and PDF Mode Features

Print Dialog

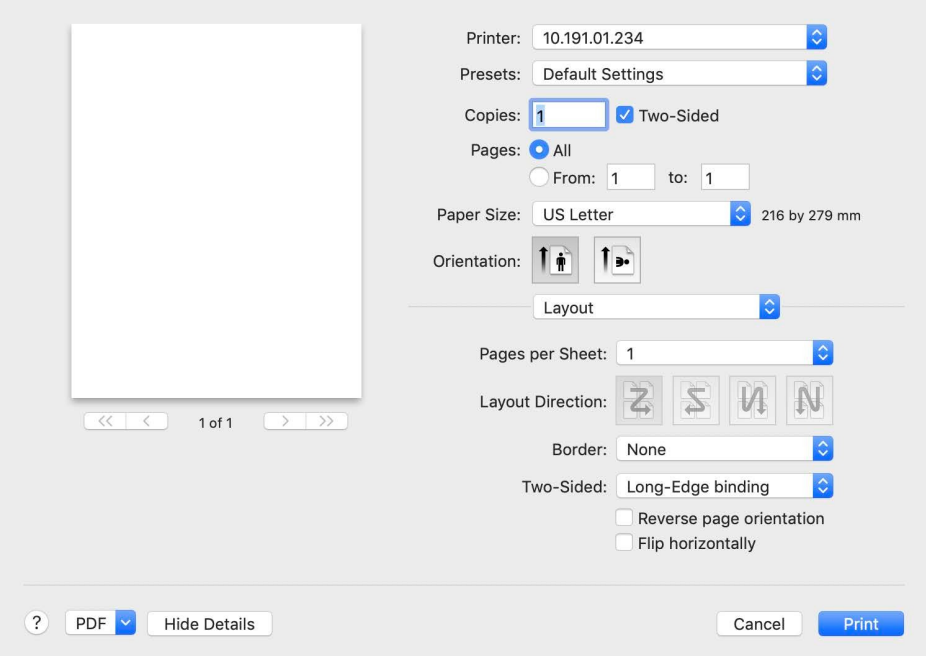
The Print dialog appears when you select **Print** from the File menu of an application. The Print dialog has some settings panes provided by the OS and can also be extended to allow for third-party customization.

Standard Panes for PCL Mode (Raster Driver) and PDF Mode

The printing system uses information from the PPD file to populate many of the model-specific features in these panes located at the bottom of the Print dialog. Actual selections vary by OS.

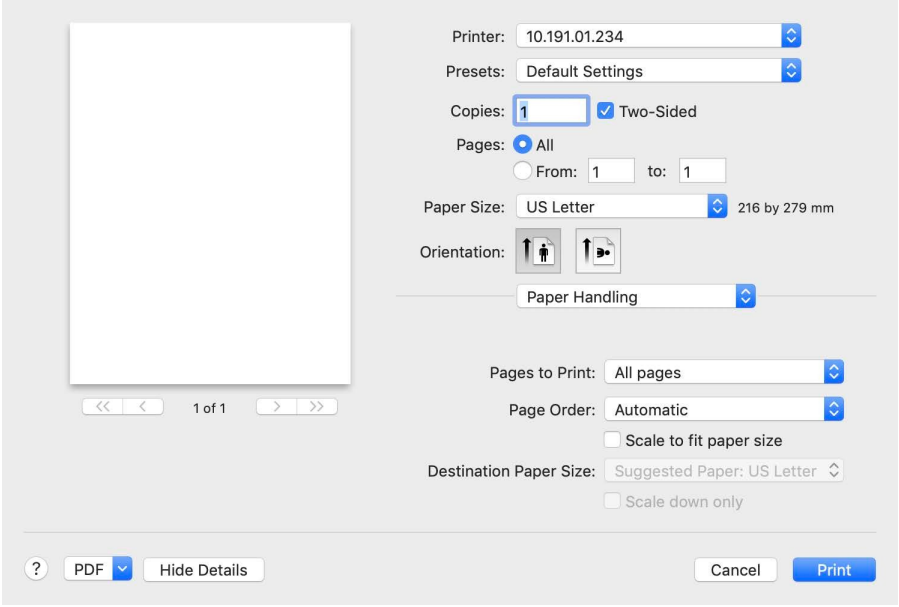
Layout Pane

The Layout pane provides settings for pages per sheet, border, and duplex.



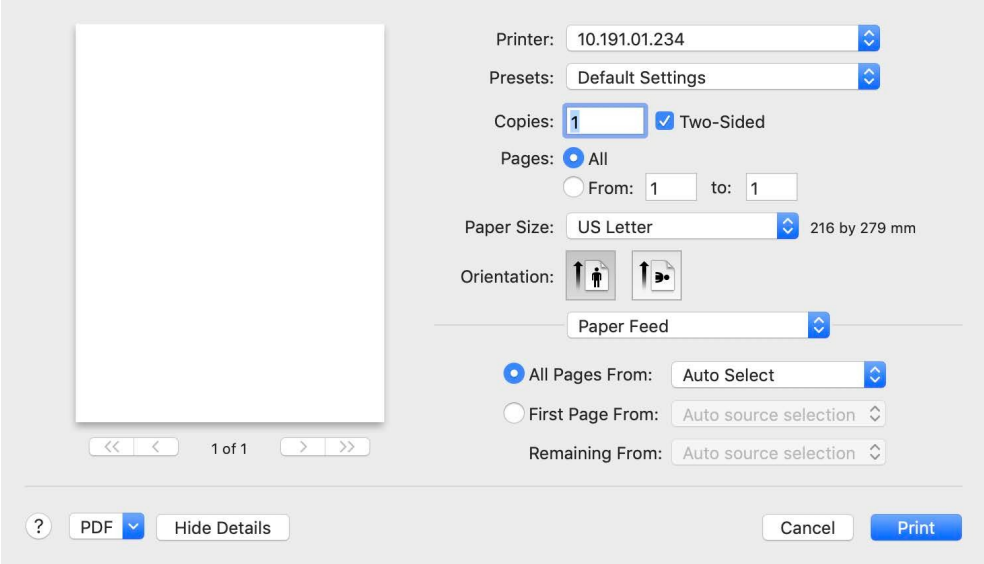
Paper Handling Pane

The Paper Handling pane provides settings for destination paper size after scaling.



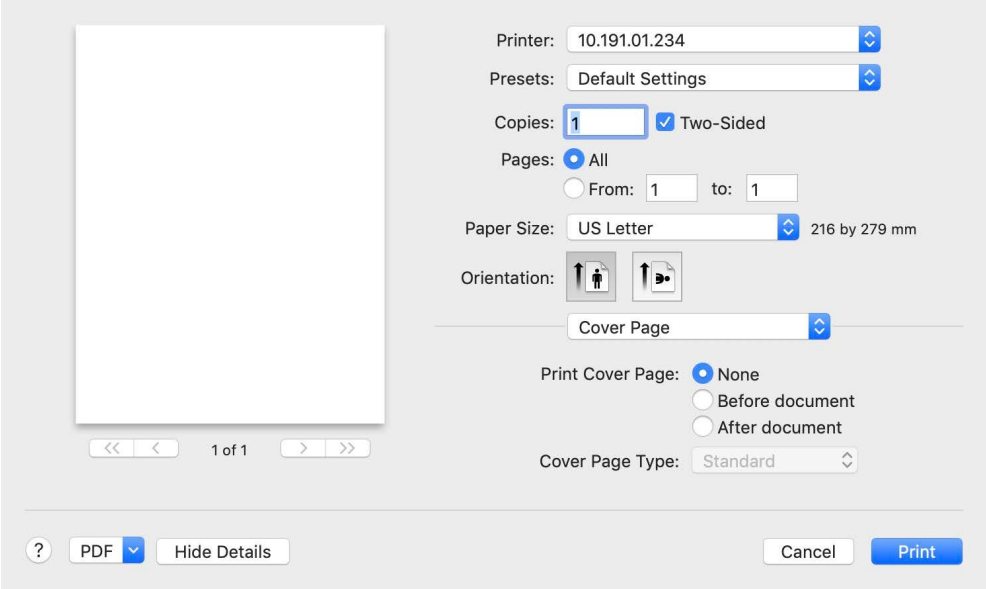
Paper Feed Pane

The Paper Feed pane provides settings for selecting the paper input tray.



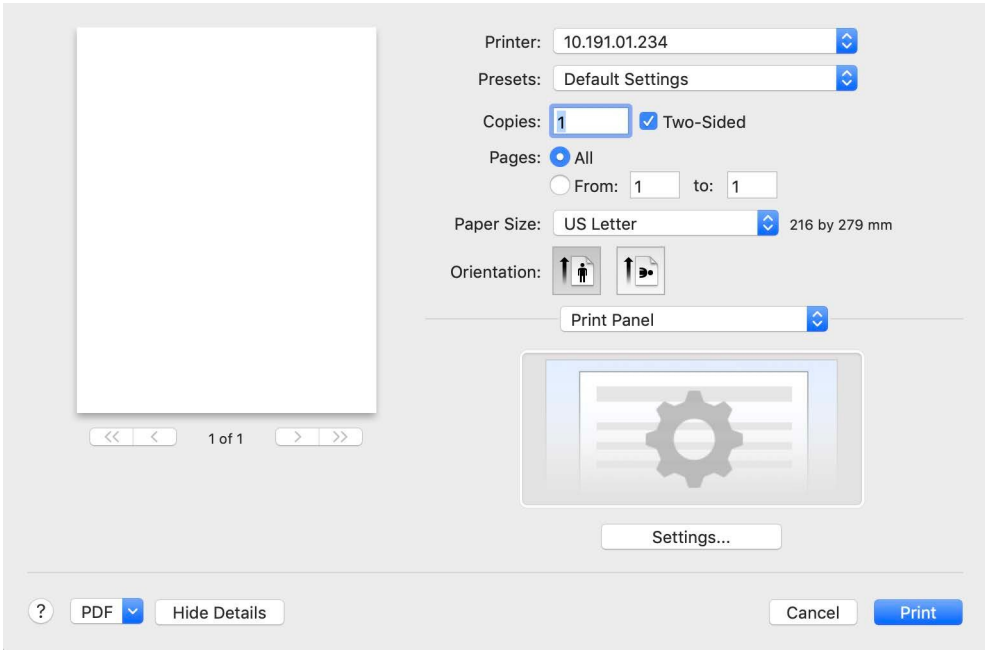
Cover Page Pane

The Cover Page pane provides settings for printing a cover page with predefined types and/or billing information.



Print Panel Pane

The Print Panel pane allows users to launch the external Print Panel application directly from the Print dialog, modify print settings, and apply the settings to the current print job.

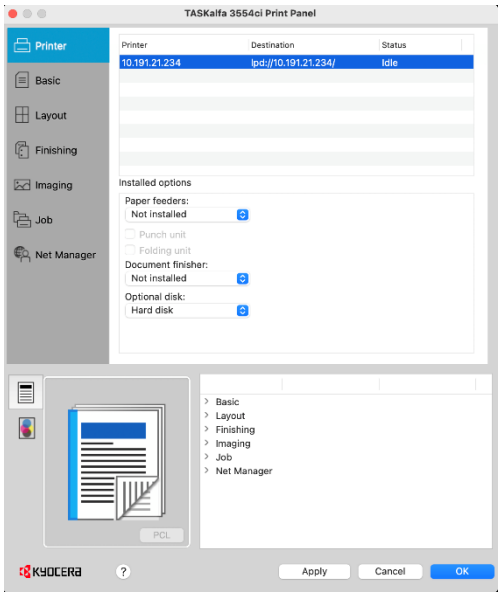


4 Print Panel Application

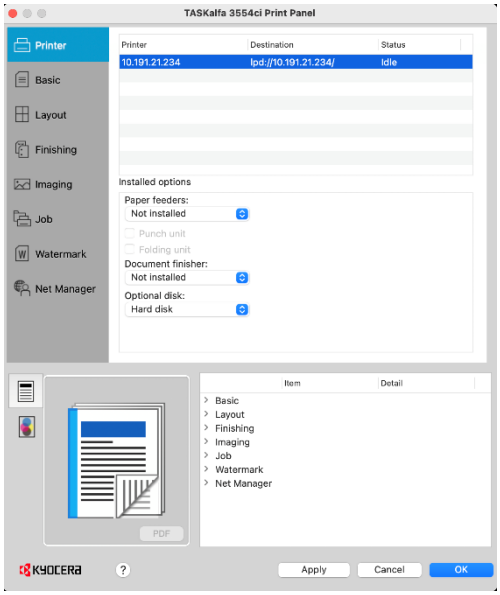
The Print Panel application is the main part of Mac Driver 5.2. Users can modify, save, and load permanent or temporary print settings. It can be launched from the Launchpad or from the Print dialog.

Printer Pane

The Printer pane displays all installed Mac Driver 5.2 printer instances. Users can use this pane to choose a printer, and change print settings and installable options. When launched from the Print dialog, this pane is hidden, as settings can only be set for the current printer in the Print dialog.



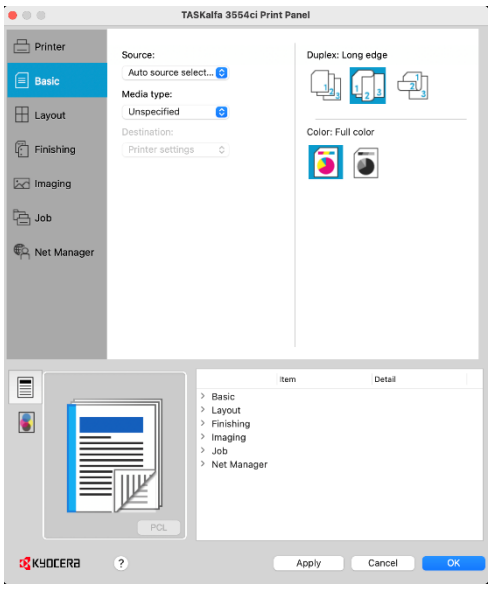
Printer Pane – PCL Mode



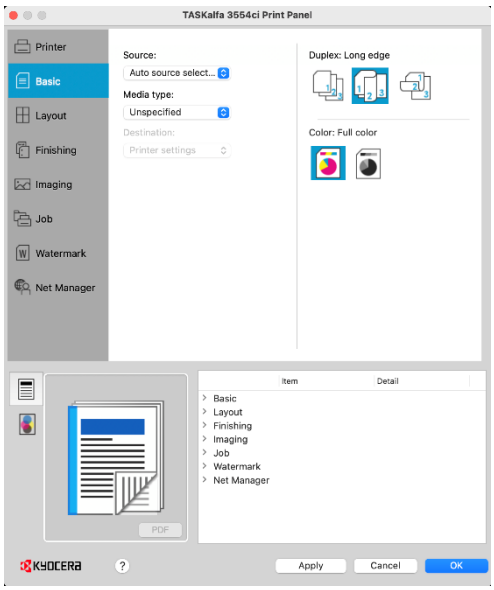
Printer Pane – PDF Mode

Basic Pane

The Basic pane contains the most commonly used features, including Source, Media type, Duplex, and Color.



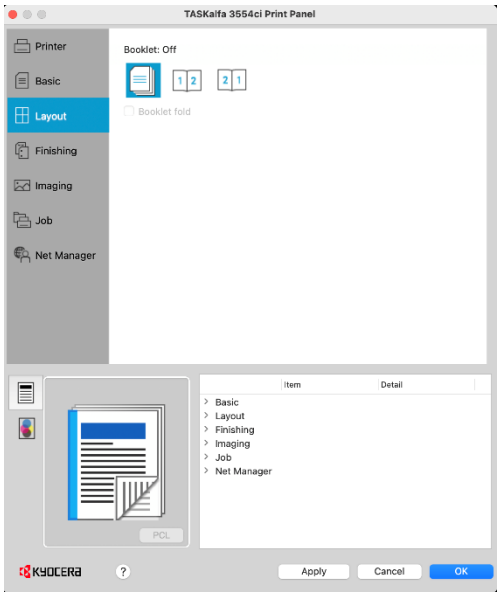
Basic Pane - PCL Mode



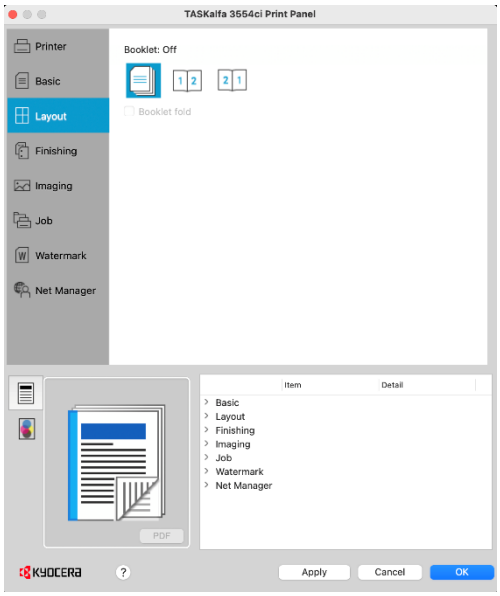
Basic Pane - PDF Mode

Layout Pane

The Layout pane contains Booklet.



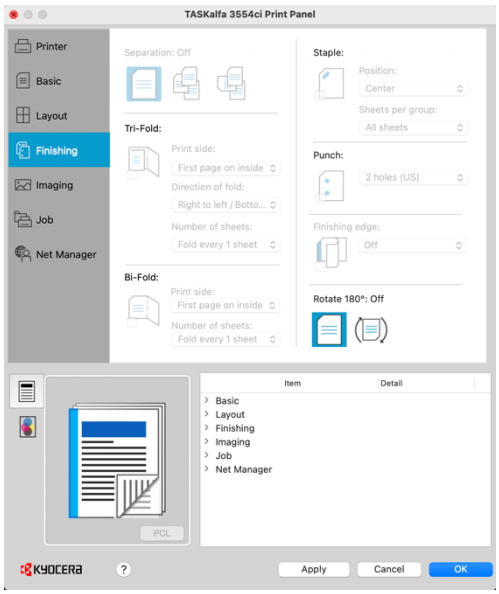
Layout Pane - PCL Mode



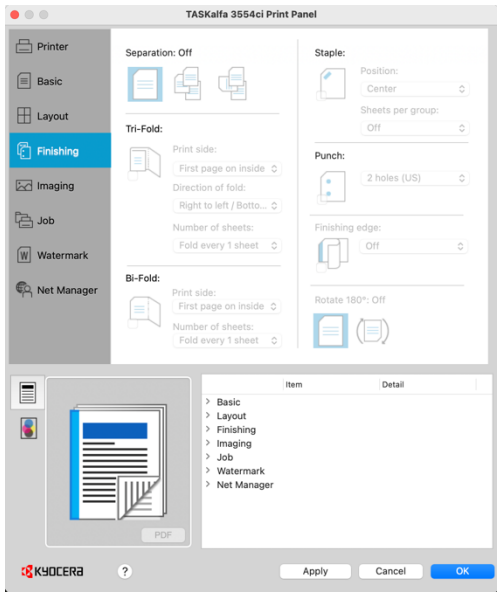
Layout Pane - PDF Mode

Finishing Pane

The Finishing pane supports Staple, Punch, Tri-Fold/Bi-Fold, and Rotate 180°.



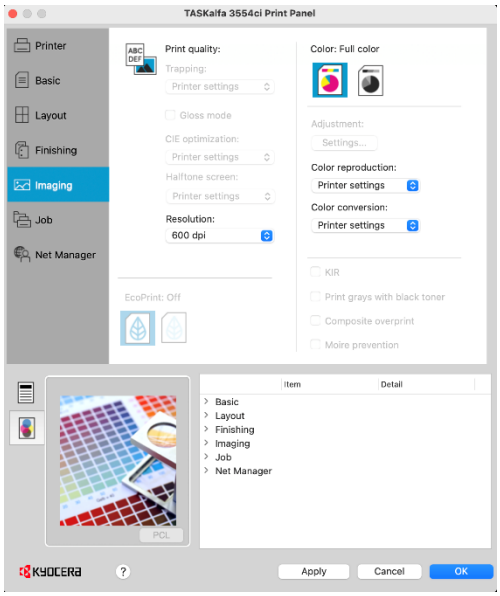
Finishing Pane - PCL Mode



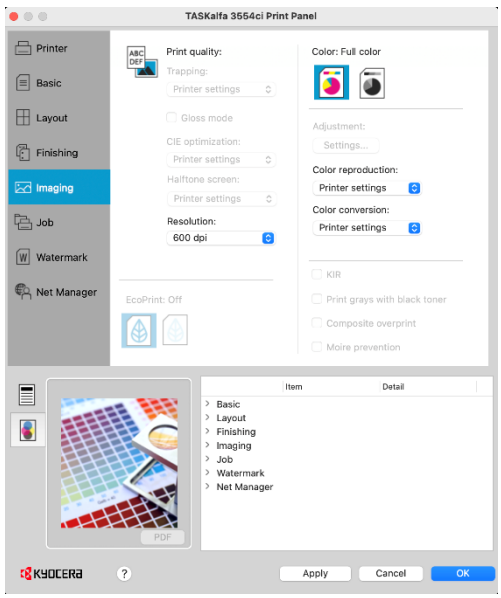
Finishing Pane - PDF Mode

Imaging Pane

The Imaging pane allows users to set color mode and resolution.



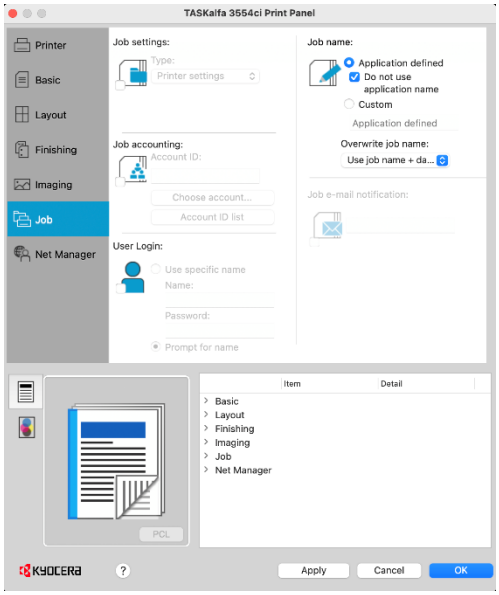
Imaging Pane - PCL Mode



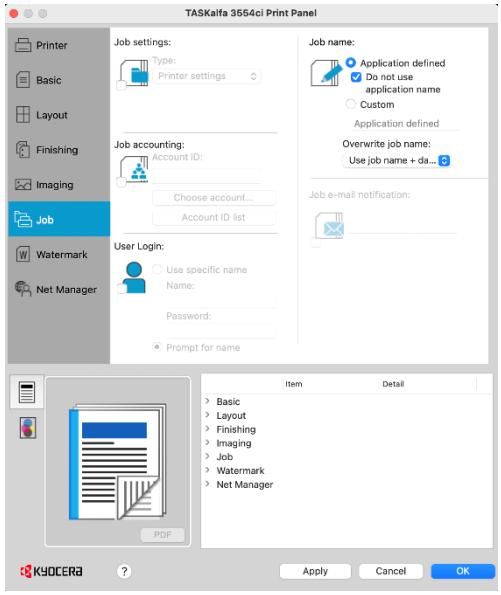
Imaging Pane - PDF Mode

Job Pane

The Job pane supports features for Job settings, Job name, Job accounting, and User Login.



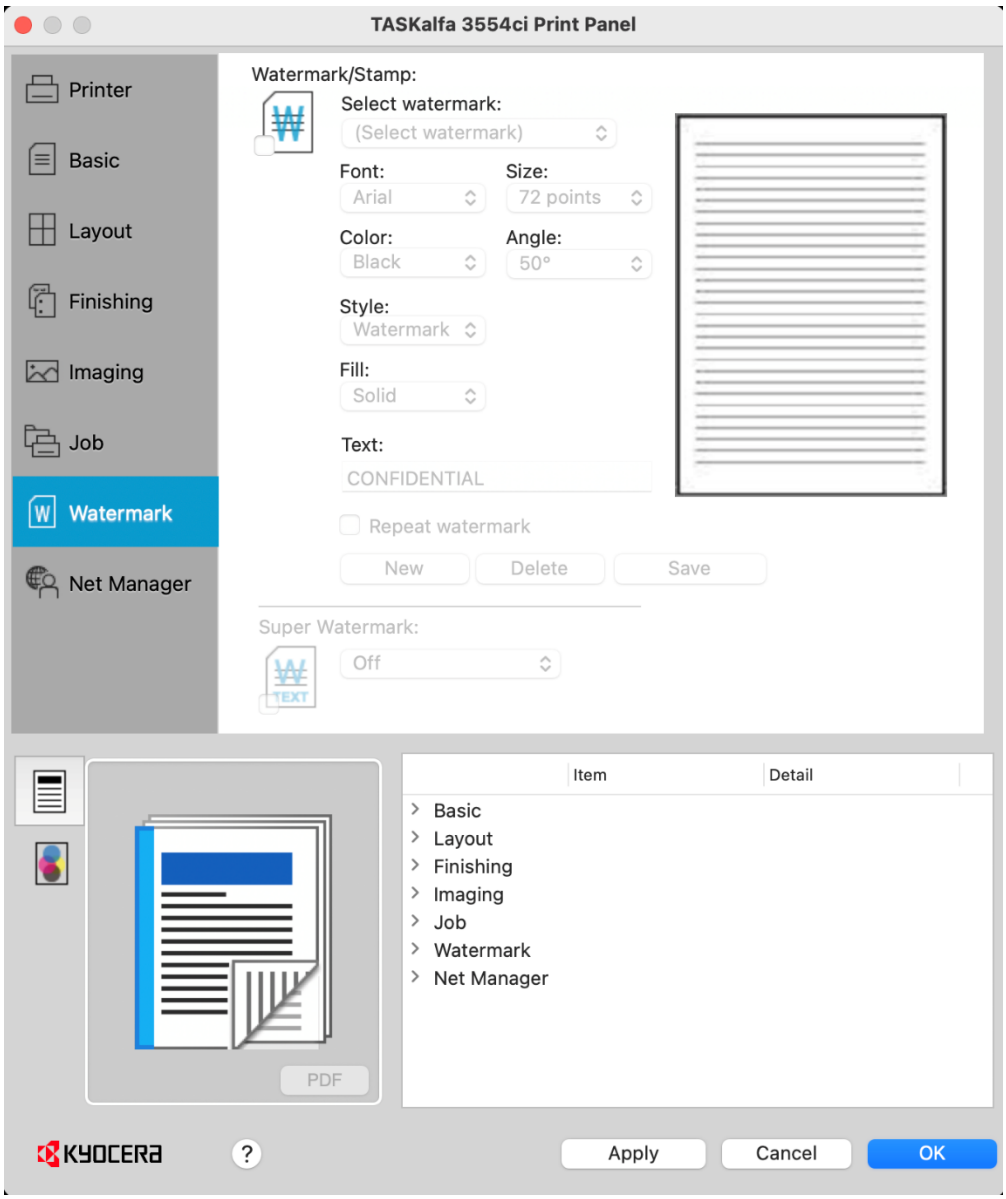
Job Pane - PCL Mode



Job Pane - PDF Mode

Watermark Pane

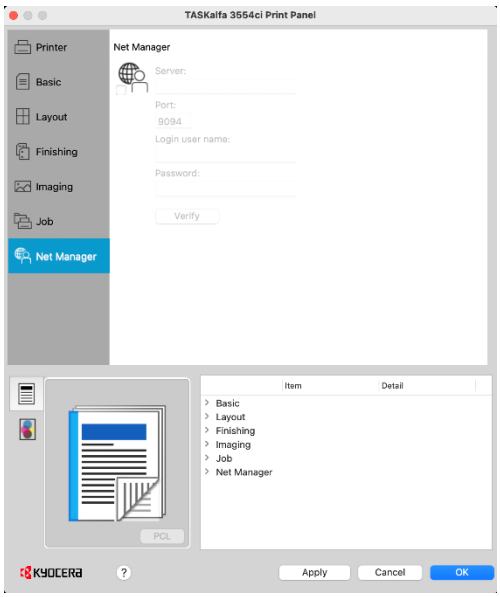
The Watermark pane displays settings for watermark or stamp with specific settings such as text, font, size, color, angle, style, fill, and repeat. This pane is available on the PDF Mode driver.



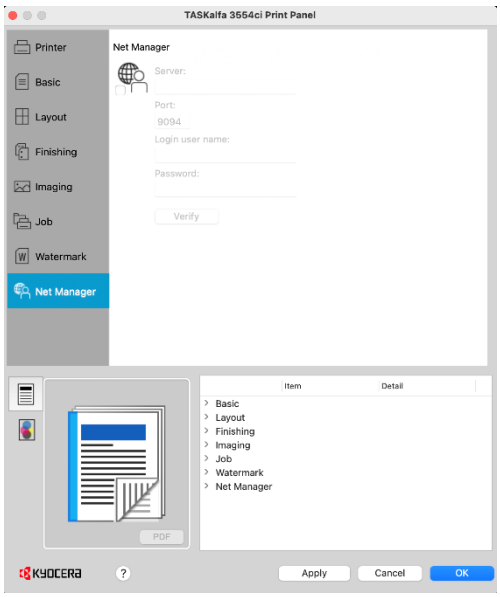
Watermark Pane – PDF Mode

Net Manager Pane

The Net Manager pane provides settings to integrate with the Net Manager server. The Net Manager server must be installed separately.



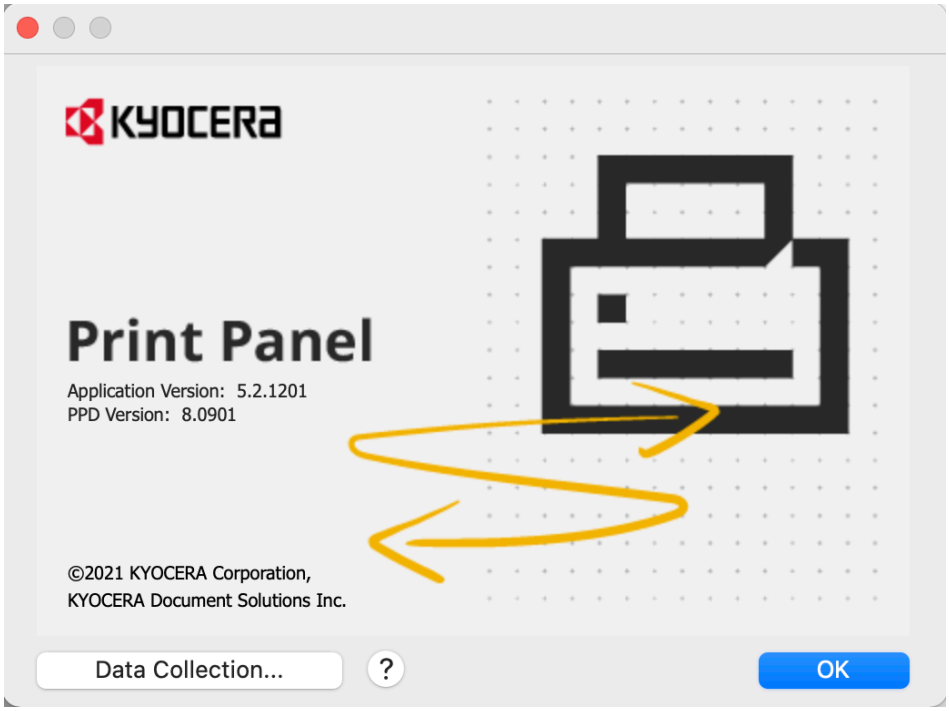
Net Manager Pane - PCL Mode



Net Manager Pane - PDF Mode

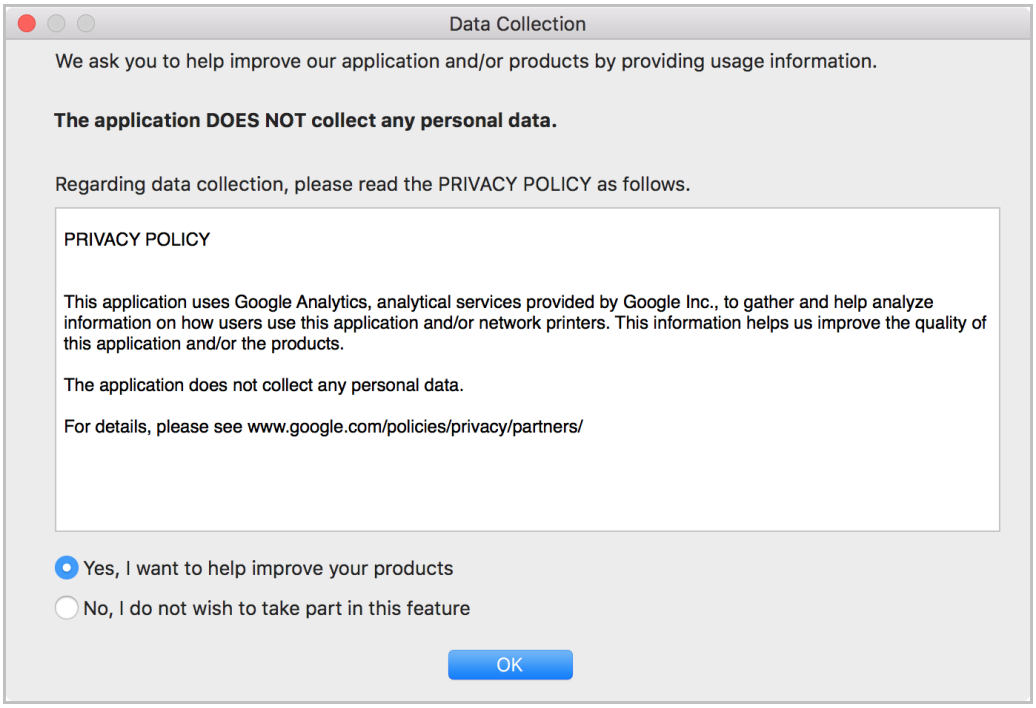
About Dialog

The About dialog can be displayed by clicking the logo button on the left bottom corner of the Print Panel application. It displays version and copyright information of the Print Panel application.



Data Collection

By clicking the **Data Collection** button on the About dialog, users can select a participation option whether to allow the application to collect anonymous usage data.



Supported Print Features

	PCL mode	PDF mode
Color Mode (for color models only)	Color*	Color*
	Black & White	Black & White
Resolution	300 DPI (for monochrome models only)	300 DPI (for monochrome models only)
	600 DPI*	600 DPI*
Media type	Unspecified*	Unspecified*
	Auto media selection	Auto media selection
	Plain	Plain
	Transparency	Transparency
	Preprinted	Preprinted
	Labels	Labels
	Bond	Bond

	PCL mode	PDF mode
	Recycled	Recycled
	Vellum	Vellum
	Rough	Rough
	Letterhead	Letterhead
	Color	Color
	Prepunched	Prepunched
	Envelope	Envelope
	Cardstock	Cardstock
	Coated	Coated
	Thick	Thick
	High quality	High quality
	Custom type 1-8	Custom type 1-8
Booklet	Off*	Off*
	Left edge binding	Left edge binding
	Right edge binding	Right edge binding
Print side	Off*	Off*
	First page on inside	First page on inside
	First page on outside	First page on outside
Direction of fold (Tri-Fold only)	Off*	Off*
	Right to left / Bottom to top	Right to left / Bottom to top
	Left to right / Top to bottom	Left to right / Top to bottom
Number of sheets	Off*	Off*
	Fold every 1 sheet	Fold every 1 sheet
	…	…
	Fold every 5 sheets	Fold every 5 sheets
Staple	Off*	Off*
	Center	Center
	Front	Front
	Rear	Rear
	Booklet Stitch	
Sheets per group	Off*	

	PCL mode	PDF mode
	Staple every 2 sheets	
	…	
	Staple every 65 sheets (70 for JA models)	
Punch method	Off*	Off*
	2 holes	2 holes
	2 holes (EUR)	2 holes (EUR)
	3 holes	3 holes
	4 holes	
Rotate 180°	On	
	Off*	
Separation		Off*
		Offset jobs
Job settings	Printer Settings*	Printer Settings*
	Collate	Collate
	None	None
	Private print	Quick copy
		Proof and hold
		Job storage
		Private print
		Custom box
Job accounting	(By default, this feature is not enabled)	(By default, this feature is not enabled)
	Account ID	Account ID
User Login	(By default, this feature is not enabled)	(By default, this feature is not enabled)
	Use Specific Name	Use Specific Name
	Prompt for Name	Prompt for Name
Watermark		(By default, this feature is not enabled)
		Watermark/Stamp
Net Manager	(By default, this feature is not enabled)	(By default, this feature is not enabled)

	PCL mode	PDF mode
	Server	Server
	Port	Port
	Login user name	Login user name
	Password	Password
	Verify	Verify

5 PCL and PDF Comparison with KPDL

In the following table, "X" indicates that the feature is fully supported by the driver and "O" indicates a limited feature.

Mac Drivers	PCL Raster Driver	PDF Driver	KPDL Driver
Basic Features			
Source	O	O	X
Border line	X	X	X
Paper size	X	X	X
Custom print size	X *Actual selections vary by device model.		X *Actual selections vary by device model.
Pages per sheet	X	O (1, 2, 4)	X
Duplex	X	X	X
Collate	X	X	X
Scale to fit	X	X	X
Cover page (System Provided)	X	X	X
Destination			X
Media type	X	X	X

Mac Drivers	PCL Raster Driver	PDF Driver	KPDL Driver
Banner print			X
Layout Features			
Booklet	X	X	X
Booklet fold			X
Finishing Features			
Offset jobs		X	X
Rotate copies			X
Tri-Fold/Bi-Fold	X	X	X
Print side	X	X	X
Direction of fold	X	X	X
Number of sheets	X	X	X
Staple	X	X	X
Sheets per group	X		X
Punch method	X	X	X
Finishing edge			X
Rotate 180°	X		X
Imaging Features			
Color mode	X	X	X
Gloss mode			X
Resolution	X	X	X
Color reproduction			X
Print grays with black toner			X
Halftone screen			X
EcoPrint			X
Color conversion			X
Trapping			X
KIR			X
CIE Optimization			X
Composite Overprint			X
Moiré prevention			X
Adjustment Features			

Mac Drivers	PCL Raster Driver	PDF Driver	KPDL Driver
Monochrome adjustment (Lightness, Contrast)			X
Color adjustment (HSL)			X
Color adjustment (Color Balance)			X
Publishing Features			
Cover mode			X
Transparency interleaving			X
Page insert			X
Job Features			
Job name	X	X	X
Don't use application name	X	X	X
Overwrite job name	X	X	X
Job settings	O	X	X
Job email notification			X
Job Accounting Features			
Account ID	X	X	X
User Login Features			
Use specific name	X	X	X
Prompt for name	X	X	X
Watermark Features			
Super watermark			X
Watermark		X	X
Stamp		X	X
Net Manager **Features**			
Server	X	X	X
Port	X	X	X

Mac Drivers	PCL Raster Driver	PDF Driver	KPDL Driver
Login user name	X	X	X
Password	X	X	X
Verify	X	X	X
Installable Options			
Paper feeder	X	X	X
Duplex unit			X
Document finisher	X	X	X
Mailbox			X
Multi tray			X
Punch unit	X	X	X
Folding unit	X	X	X
Inner shift tray			X
Job separator			X
Optional disk	X	X	X
Memory			X
Fonts			
System fonts	X	X	X
Device fonts			

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